

Petriman, Viorica

From: Christopher LaLone <cmlalone@gw.dec.state.ny.us>
Sent: Tuesday, June 24, 2014 9:19 AM
To: Riva, Steven
Cc: Petriman, Viorica; Dan E Walsh; Robert Stanton
Subject: Re: Fwd: FW: Documents - Greenidge
Attachments: Greenidge Title V Renewal 1.pdf; Greenidge PRR.pdf

Steve,

The documents for item #3 below are attached. You can expect our Region 8 office to provide you with the April 2014 application soon.

Chris

>>> "Riva, Steven" <Riva.Steven@epa.gov> 6/23/2014 10:09 AM >>>

When can we expect responses to 2 & 3 (below). Nothing seems to be available on-line. Also Dave indicated that you would be providing us with the Danskammer application. When can we expect this? Please advise!

From: Petriman, Viorica
Sent: Monday, June 23, 2014 9:33 AM
To: Riva, Steven
Subject: Documents - Greenidge

Steve:

The package you gave me contains only the documents related to Item #1. It seems that no documents related to Items 2 and 3 were included in the package.

From: Ruvo, Richard
Sent: Thursday, June 12, 2014 2:26 PM
To: djshaw@gw.dec.state.ny.us
Cc: Riva, Steven; Filippelli, John
Subject: Greenidge

Hi Dave-

To follow-up on our call, we talked to our staff and they mentioned we would like to see the following documents which Greenidge refers to in the April 1, 2014 letter:

1. The attachments to the March 14, 2013 letter submitted to NYSDEC
2. A copy of the April 2014 Title V operating permit application submitted to NYSDEC
3. A copy of the Title V air permit and permit review report of the facility which was in effect before stopping operation-

We would appreciate it if you can ask your staff to send the documents our way.
Thanks, Rick

New York State Department of Environmental Conservation

Permit ID: 8-5736-00004/00013

Facility DEC ID: 8573600004



Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - TITLE V PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: GREENIDGE GENERATION LLC
800 E ELIZABETH AVE
LINDEN, NJ 07036

Facility: AES GREENIDGE LLC
590 PLANT RD
DRESDEN, NY 14441

Authorized Activity By Standard Industrial Classification Code:
4911 - ELECTRIC SERVICES

Permit Effective Date: 11/05/2007

Permit Expiration Date: 11/04/2012

SAPA Extended Begin Date: 11/05/2012

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FEDERALLY ENFORCEABLE CONDITIONS

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| 17 | 21 | 40 CFR Part 68: Accidental release provisions. |
| 17 | 22 | 40CFR 82, Subpart F: Recycling and Emissions Reduction |
| 17 | 23 | 6 NYCRR Subpart 201-6: Emission Unit Definition |
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| 24 | 33 | 6 NYCRR 227-1.3: Compliance Certification |
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EU=G-00003

- | | | |
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- 42 40 6 NYCRR 225-1.2 (d): Compliance Certification
- 43 41 6 NYCRR 225-2.4 (b): Compliance Certification
- 44 42 6 NYCRR 227-1.2 (a) (4): Compliance Certification
- 44 43 6 NYCRR 227-1.3 (a): Compliance Certification
- 45 44 6 NYCRR 227-1.5: Multiple fuels particulate matter emission rate.
- 45 45 6 NYCRR 227-2.5 (b): Compliance Certification

EU=G-00004

- 46 46 6 NYCRR 225-1.2 (d): Compliance Certification
- 46 47 6 NYCRR 225-2.4 (b): Compliance Certification
- 47 48 6 NYCRR 227-1.2 (a) (4): Compliance Certification
- 48 49 6 NYCRR 227-1.3 (a): Compliance Certification
- 48 50 6 NYCRR 227-1.5: Multiple fuels particulate matter emission rate.
- 49 51 6 NYCRR 227-2.5 (b): Compliance Certification

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- 49 52 6 NYCRR 225-1.2 (d): Compliance Certification
- 50 53 6 NYCRR 225-1.2 (d): Compliance Certification

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 51 54 ECL 19-0301: Contaminant List
- 52 55 6 NYCRR 201-1.4: Unavoidable noncompliance and violations
- 53 56 6 NYCRR 211.2: Air pollution prohibited



FEDERALLY ENFORCEABLE CONDITIONS

****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

The items listed below are not subject to the annual compliance certification requirements under Title V. Permittees may also have other obligations under regulations of general applicability.

Item A: Emergency Defense - 6 NYCRR 201-1.5

An emergency constitutes an affirmative defense to an action brought for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

(a) The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

- (1) An emergency occurred and that the facility owner and/or operator can identify the cause(s) of the emergency;
- (2) The equipment at the permitted facility causing the emergency was at the time being properly operated;
- (3) During the period of the emergency the facility owner and/or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
- (4) The facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

(b) In any enforcement proceeding, the facility owner and/or operator seeking to establish the occurrence of an emergency has the burden of proof.

(c) This provision is in addition to any emergency or upset provision contained in any applicable requirement.

Item B: Public Access to Recordkeeping for Title V Facilities - 6 NYCRR 201-1.10 (b)

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6 NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

Item C: Timely Application for the Renewal of Title V Permits - 6 NYCRR 201-6.3 (a) (4)

Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for

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permit renewal purposes.

Item D: Certification by a Responsible Official - 6 NYCRR 201-6.3 (d) (12)

Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Item E: Requirement to Comply With All Conditions - 6 NYCRR 201-6.5 (a) (2)

The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

Item F: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR 201-6.5 (a) (3)

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Item G: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.5 (a) (5)

It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.

Item H: Property Rights - 6 NYCRR 201-6.5 (a) (6)

This permit does not convey any property rights of any sort or any exclusive privilege.

Item I: Severability - 6 NYCRR 201-6.5 (a) (9)

If any provisions, parts or conditions of this permit are found to be invalid or are the subject of a challenge, the remainder of this permit shall continue to be valid.

Item J: Permit Shield - 6 NYCRR 201-6.5 (g)

All permittees granted a Title V facility permit shall be covered under the protection of a permit shield, except as provided under 6 NYCRR Subpart 201-6. Compliance with the conditions of the permit

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shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that such applicable requirements are included and are specifically identified in the permit, or the Department, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the major stationary source, and the permit includes the determination or a concise summary thereof. Nothing herein shall preclude the Department from revising or revoking the permit pursuant to 6 NYCRR Part 621 or from exercising its summary abatement authority. Nothing in this permit shall alter or affect the following:

- i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;
- ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;
- iii. The applicable requirements of Title IV of the Act;
- iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

Item K: Reopening for Cause - 6 NYCRR 201-6.5 (i)

This Title V permit shall be reopened and revised under any of the following circumstances:

- i. If additional applicable requirements under the Act become applicable where this permit's remaining term is three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.
- ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
- iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.

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iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

Proceedings to reopen and issue Title V facility permits shall follow the same procedures as apply to initial permit issuance but shall affect only those parts of the permit for which cause to reopen exists.

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

Item L: Permit Exclusion - ECL 19-0305

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

Item M: Federally Enforceable Requirements - 40 CFR 70.6 (b)

All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS SUBJECT TO ANNUAL CERTIFICATIONS AT ALL TIMES

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements at all times.

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Condition 1: Acceptable Ambient Air Quality
Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement:6 NYCRR 200.6

Item 1.1:

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

Condition 2: Fees
Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement:6 NYCRR 201-6.5 (a) (7)

Item 2.1:

The owner and/or operator of a stationary source shall pay fees to the Department consistent with the fee schedule authorized by ECL 72-0302.

Condition 3: Recordkeeping and reporting of compliance monitoring
Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement:6 NYCRR 201-6.5 (c)

Item 3.1:

The following information must be included in any required compliance monitoring records and reports:

- (i) The date, place, and time of sampling or measurements;
- (ii) The date(s) analyses were performed;
- (iii)The company or entity that performed the analyses;
- (iv) The analytical techniques or methods used including quality assurance and quality control procedures if required;
- (v) The results of such analyses including quality assurance data where required; and
- (vi) The operating conditions as existing at the time of sampling or measurement.

Any deviation from permit requirements must be clearly identified in all records and reports. Reports must be certified by a responsible official, consistent with Section 201-6.3 of this Part 201.

Condition 4: Monitoring, Related Recordkeeping, and Reporting Requirements.
Effective between the dates of 11/05/2007 and 11/04/2012

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Applicable Federal Requirement:6 NYCRR 201-6.5 (c) (2)

Item 4.1:

Compliance monitoring and recordkeeping shall be conducted according to the terms and conditions contained in this permit and shall follow all quality assurance requirements found in applicable regulations. Records of all monitoring data and support information must be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

Condition 5: Compliance Certification

Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement:6 NYCRR 201-6.5 (c) (3) (ii)

Item 5.1:

The Compliance Certification activity will be performed for the Facility.

Item 5.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

To meet the requirements of this facility permit with respect to reporting, the permittee must:

Submit reports of any required monitoring at a minimum frequency
of

every 6 months, based on a calendar year reporting schedule. These reports shall be submitted to the Department within 60 days after the end of a reporting period. All instances of deviations from permit requirements must be clearly identified in such reports. All required reports must be certified by the responsible official for this facility.

Notify the Department and report permit deviations and incidences
of

noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken. Where the underlying applicable requirement contains a definition of prompt or otherwise specifies a time frame for reporting deviations, that definition or time frame shall govern. Where the underlying applicable requirement fails to address the time frame for reporting deviations, reports of deviations shall be submitted to the permitting authority based on the following schedule:

(1) For emissions of a hazardous air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.

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(2) For emissions of any regulated air pollutant, excluding those listed in paragraph (1) of this section, that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.

(3) For all other deviations from permit requirements, the report shall be contained in the 6 month monitoring report required above.

(4) This permit may contain a more stringent reporting requirement than required by paragraphs (1), (2) or (3) above. If more stringent reporting requirements have been placed in this permit or exist in applicable requirements that apply to this facility, the more stringent reporting requirement shall apply.

If above paragraphs (1) or (2) are met, the source must notify the permitting authority by telephone during normal business hours at the Regional Office of jurisdiction for this permit, attention Regional Air Pollution Control Engineer (RAPCE) according to the timetable listed in paragraphs (1) and (2) of this section. For deviations and incidences that must be reported outside of normal business hours, on weekends, or holidays, the DEC Spill Hotline phone number at 1-800-457-7362 shall be used. A written notice, certified by a responsible official consistent with 6 NYCRR Part 201-6.3(d)(12), must be submitted within 10 working days of an occurrence for deviations reported under (1) and (2). All deviations reported under paragraphs (1) and (2) of this section must also be identified in the 6 month monitoring report required above.

seeks The provisions of 6 NYCRR 201-1.4 shall apply if the permittee

to have a violation excused unless otherwise limited by regulation. In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets. Notwithstanding any recordkeeping and reporting requirements in 6 NYCRR 201-1.4, reports of any deviations shall not be on a less frequent basis than the reporting periods described in paragraphs (1) and (4) above.

In the case of any condition contained in this permit with a reporting requirement of "Upon request by regulatory agency" the permittee shall include in the semiannual report, a statement for each such condition that the monitoring or recordkeeping was performed as required or requested and a listing of all instances of deviations from these requirements.

six In the case of any emission testing performed during the previous month reporting period, either due to a request by the Department, EPA, or a regulatory requirement, the permittee shall include in the

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semiannual report a summary of the testing results and shall indicate whether or not the Department or EPA has approved the results.

All semiannual reports shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office). Mailing addresses for the above referenced persons are contained in the monitoring condition for 6 NYCRR Part 201-6.5(e), contained elsewhere in this permit.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 2/29/2008.

Subsequent reports are due every 6 calendar month(s).

Condition 6: Compliance Certification
Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement: 6 NYCRR 201-6.5 (e)

Item 6.1:

The Compliance Certification activity will be performed for the Facility.

Item 6.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Requirements for compliance certifications with terms and conditions contained in this facility permit include the following:

- i. Compliance certifications shall contain:
 - the identification of each term or condition of the permit that is the basis of the certification;
 - the compliance status;
 - whether compliance was continuous or intermittent;
 - the method(s) used for determining the compliance status of the facility, currently and over the reporting period consistent with the monitoring and related recordkeeping and reporting requirements of this permit;
 - such other facts as the Department may require to determine the compliance status of the facility as specified in any special permit terms or conditions; and
 - such additional requirements as may be specified elsewhere in this permit related to compliance certification.
- ii. The responsible official must include in the annual certification report all terms and conditions contained in this permit which are identified as being subject to certification, including emission limitations, standards, or work practices. That is, the provisions

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labeled herein as "Compliance Certification" are not the only provisions of this permit for which an annual certification is required.

iii. Compliance certifications shall be submitted annually. Certification reports are due 30 days after the anniversary date of four consecutive calendar quarters. The first report is due 30 days after the calendar quarter that occurs just prior to the permit anniversary date, unless another quarter has been acceptable by the Department.

iv. All compliance certifications shall be submitted to the Administrator (or his or her representative) as well as two copies to the Department (one copy to the regional air pollution control engineer (RAPCE) in the regional office and one copy to the Bureau of Quality Assurance (BQA) in the DEC central office). Please send annual compliance certifications to Chief of the Stationary Source Compliance Section, the Region 2 EPA representative for the Administrator, at the following address:

USEPA Region 2
Air Compliance Branch
290 Broadway
New York, NY 10007-1866

The address for the RAPCE is as follows:

6274 East Avon-Lima Road
Avon, NY 14414-9519

The address for the BQA is as follows:

NYSDEC
Bureau of Quality Assurance
625 Broadway
Albany, NY 12233-3258

Monitoring Frequency: ANNUALLY
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2008.
Subsequent reports are due on the same day each year

Condition 7: Compliance Certification
Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement: 6 NYCRR 202-2.1

Item 7.1:

The Compliance Certification activity will be performed for the Facility.

Item 7.2:

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Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year. Statements are to be mailed to: New York State Department of Environmental Conservation, Division of Air Resources, Bureau of Air Quality Planning, 625 Broadway, Albany NY 12233-3251

Monitoring Frequency: ANNUALLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due by April 15th for previous calendar year

Condition 8: Recordkeeping requirements
Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement:6 NYCRR 202-2.5

Item 8.1:

(a) The following records shall be maintained for at least five years:

- (1) a copy of each emission statement submitted to the department; and
- (2) records indicating how the information submitted in the emission statement was determined, including any calculations, data, measurements, and estimates used.

(b) These records shall be made available at the facility to the representatives of the department upon request during normal business hours.

Condition 9: Open Fires Prohibited at Industrial and Commercial Sites
Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement:6 NYCRR Part 215

Item 9.1:

No person shall burn, cause, suffer, allow or permit the burning in an open fire of garbage, refuse, rubbish for salvage, or rubbish generated by industrial or commercial activities.

MANDATORY FEDERALLY ENFORCEABLE PERMIT CONDITIONS
SUBJECT TO ANNUAL CERTIFICATIONS ONLY IF APPLICABLE

The following federally enforceable permit conditions are mandatory for all Title V permits and are subject to annual compliance certification requirements only if effectuated during the reporting period.

[NOTE: The corresponding annual compliance certification for those conditions not effectuated during the reporting period shall be specified as "not applicable".]

Condition 10: Maintenance of Equipment

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Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement:6 NYCRR 200.7

Item 10.1:

Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such device effectively.

Condition 11: Recycling and Salvage

Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement:6 NYCRR 201-1.7

Item 11.1:

Where practical, any person who owns or operates an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of the ECL.

Condition 12: Prohibition of Reintroduction of Collected Contaminants to the air

Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement:6 NYCRR 201-1.8

Item 12.1:

No person shall unnecessarily remove, handle or cause to be handled, collected air contaminants from an air cleaning device for recycling, salvage or disposal in a manner that would reintroduce them to the outdoor atmosphere.

Condition 13: Exempt Sources - Proof of Eligibility

Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement:6 NYCRR 201-3.2 (a)

Item 13.1:

The owner and/or operator of an emission source or unit that is eligible to be exempt may be required to certify that it operates within the specific criteria described in this Subpart. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other State and Federal air pollution control requirements, regulations, or law.

Condition 14: Trivial Sources - Proof of Eligibility

Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement:6 NYCRR 201-3.3 (a)

Item 14.1:

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The owner and/or operator of an emission source or unit that is listed as being trivial in this Part may be required to certify that it operates within the specific criteria described in this Subpart. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other State and Federal air pollution control requirements, regulations, or law.

Condition 15: Standard Requirement - Provide Information
Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement:6 NYCRR 201-6.5 (a) (4)

Item 15.1:

The owner and/or operator shall furnish to the department, within a reasonable time, any information that the department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the department copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the administrator along with a claim of confidentiality, if the administrator initiated the request for information or otherwise has need of it.

Condition 16: General Condition - Right to Inspect
Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement:6 NYCRR 201-6.5 (a) (8)

Item 16.1:

The department or an authorized representative shall be allowed upon presentation of credentials and other documents as may be required by law to:

(i) enter upon the permittee's premises where a facility subject to the permitting requirements of this Subpart is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;

(ii) have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;

(iii) inspect at reasonable times any emission sources, equipment (including monitoring and air pollution control equipment), practices, and operations regulated or required under the permit; and

(iv) sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

Condition 17: Standard Requirements - Progress Reports
Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement:6 NYCRR 201-6.5 (d) (5)

Item 17.1:

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Progress reports consistent with an applicable schedule of compliance are to be submitted at least semiannually, or at a more frequent period if specified in the applicable requirement or by the department. Such progress reports shall contain the following:

(i) dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and

(ii) an explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

Condition 18: Off Permit Changes

Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement:6 NYCRR 201-6.5 (f) (6)

Item 18.1:

No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provision of title I of the act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the administrator and the department with written notification as required below in advance of the proposed changes within a minimum of seven days. The facility owner or operator, and the department shall attach each such notice to their copy of the relevant permit.

(i) For each such change, the written notification required above shall include a brief description of the change within the permitted facility, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.

(ii) The permit shield described in section 6 NYCRR 201-6.6 shall not apply to any change made pursuant to this paragraph.

Condition 19: Required Emissions Tests

Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 19.1:

For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time. Such person shall bear the cost of measurement and preparing the report of measured emissions. Failure of such person to submit a report acceptable to the commissioner within the time stated shall be sufficient reason for the commissioner to suspend or deny a certificate to operate.

Condition 20: Visible Emissions Limited

Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement:6 NYCRR 211.3

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Item 20.1:

Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

Condition 21: Accidental release provisions.

Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement:40 CFR Part 68

Item 21.1:

If a chemical is listed in Tables 1,2,3 or 4 of 40 CFR §68.130 is present in a process in quantities greater than the threshold quantity listed in Tables 1,2,3 or 4, the following requirements will apply:

- a) The owner or operator shall comply with the provisions of 40 CFR Part 68 and;
- b) The owner or operator shall submit at the time of permit issuance (if not previously submitted) one of the following, if such quantities are present:
 - 1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR §68.10(a) or,
 - 2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. Information should be submitted to:

Risk Management Plan Reporting Center
C/O CSC
8400 Corporate Dr
Carrollton, Md. 20785

Condition 22: Recycling and Emissions Reduction

Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement:40CFR 82, Subpart F

Item 22.1:

The permittee shall comply with all applicable provisions of 40 CFR Part 82.

The following conditions are subject to annual compliance certification requirements for Title V permits only.

Condition 23: Emission Unit Definition

Effective between the dates of 11/05/2007 and 11/04/2012

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Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 23.1:

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: G-00003

Emission Unit Description:

Emission unit 3 consists of two Babcock & Wilson dry bottom wall fired pulverized coal boilers rated at 380 mmBTU/hr. The boilers (4 and 5) fire mainly bituminous coal, but can also burn clean wood and natural gas. Number 2 oil and diesel fuel are used for startup and flame stabilization as needed. Particulate control is provided by a multiclone mechanical particulate collector, and by an electrostatic precipitator. Unit 3 is sometimes operated as a synchronous condenser, rather than as a generating unit. In this mode, the generator acts like a motor, absorbing power from the grid and helping smooth out sudden changes in system voltage caused by changes in demand. The spinning generator causes the turbine to spin, and cooling steam is needed to prevent damage to the turbine. The small amount of steam needed for this is supplied by burning fuel oil in boilers 4 and 5.

Building(s): BOILER

Item 23.2:

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: G-00004

Emission Unit Description:

Combustion Engineering dry bottom, tangentially fired pulverized coal boiler rated at 1,117 mmbtu/hr maximum heat input. The boiler burns bituminous coal as its primary fuel, with a variety of other fuels (clean wood, wood waste from a furniture manufacturing process, natural gas) also permitted. No. 2 fuel oil, diesel fuel, or kerosene are used for startup and flame stabilization. The boiler is equipped with over-fire air, SNCR, and SCR to control NOx emissions, activated carbon injection to control mercury emissions, and a spray dry reactor and a baghouse to control sulfur dioxide and particulate emissions.

Building(s): BOILER

Item 23.3:

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: G-00005

Emission Unit Description:

The solid fuel handling system, including the coal storage pile, the wood storage pile, the wood hammer mill, the coal unloading building, the reclaim hopper, and the conveyance systems for the coal and wood. All potential emissions from this unit are fugitives, and there are no emission unit specific applicable requirements.

Building(s): CPILE1
WDBRN
WOODPILE

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YARD

Item 23.4:

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: G-00006

Emission Unit Description:

The ash handling system, which consists of a fly ash storage silo, the ash disposal landfill. Collected fly ash is pneumatically conveyed to the fly ash storage silo, (which is equipped with a baghouse), and then mixed with water in a pug mill prior to being transported by truck to the on-site ash disposal landfill, where it is dumped, graded, compacted and then covered. Bottom ash from the boilers is quenched and pumped to a settling pond. Settled ash is periodically dredged and placed in a pile to dry before reuse for road traction purposes, under a beneficial use determination (BUD.) The flyash storage silo vent is exempt under 6 NYCRR PART 201-3.2(c)(27). All other potential emissions from this unit are fugitives and there are no emission unit specific requirements.

Building(s): LNDFL1
YARD

Item 23.5:

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: G-00007

Emission Unit Description:

The Lime Hydrating System, for the flue gas desulfurization system. Quicklime is delivered by truck and pneumatically unloaded to a storage silo (equipped with a bin vent filter), and then transferred to the lime hydrator via belt conveyor where it is mixed with water, and then discharged through a screw feeder and transferred to the air classifier via bucket elevator. Classified hydrated material is pneumatically transferred to a storage silo equipped with a bin vent filter. This is then used as feed for the flue gas desulfurization system circulating dry scrubber (CDS.) Oversized material is recirculated to the hydrator and grit is removed and disposed of. The lime hydrator is equipped with a wet scrubber, and the air classifier has a bag house. The quicklime and hydrated lime storage silos are exempt under 6 NYCRR PART 201-3.2(c)(27).

Building(s): BOILER

Item 23.6:

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: G-00008

Emission Unit Description:

Process operations associated with the aqueous urea system.

Building(s): BOILER

Condition 24: Compliance Certification

Effective between the dates of 11/05/2007 and 11/04/2012

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Applicable Federal Requirement: 6 NYCRR 225-1.8

Item 24.1:

The Compliance Certification activity will be performed for the Facility.

Item 24.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

An owner or operator of a facility which purchases and fires coal and/or oil shall submit reports to the commissioner containing fuel analysis data, information on the quantity of the fuel received, burned, and results of any stack sampling, stack monitoring and any other procedures to ensure compliance with the provisions of 6 NYCRR Part 225-1. All records shall be available for a minimum of three years.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 2/29/2008.

Subsequent reports are due every 6 calendar month(s).

Condition 25: Compliance Certification

Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement: 6 NYCRR 225-2.3 (b)

Item 25.1:

The Compliance Certification activity will be performed for the Facility.

Item 25.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE

PARAMETERS AS SURROGATE

Monitoring Description:

Each piece of equipment which fires Waste Fuel A shall demonstrate, at a minimum, 99% combustion efficiency.

Parameter Monitored: COMBUSTION EFFICIENCY

Lower Permit Limit: 99 percent

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 2/29/2008.

Subsequent reports are due every 6 calendar month(s).

Condition 26: Compliance Certification

Effective between the dates of 11/05/2007 and 11/04/2012

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Applicable Federal Requirement:6 NYCRR 225-2.4 (b)

Item 26.1:

The Compliance Certification activity will be performed for the Facility.

Item 26.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The maximum concentration of lead in the waste fuel shall not exceed 250 parts per million.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: WASTE OIL

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 250.0 parts per million by weight

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME
(INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 2/29/2008.

Subsequent reports are due every 6 calendar month(s).

Condition 27: Compliance Certification

Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement:6 NYCRR 225-2.4 (b)

Item 27.1:

The Compliance Certification activity will be performed for the Facility.

Item 27.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The minimum fuel heat content of the waste oil shall be at least 125,000 BTU/gallon on fuel.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: WASTE OIL

Parameter Monitored: HEAT CONTENT

Lower Permit Limit: 125000.0 British thermal units per gallon

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE AT ANY
TIME

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 2/29/2008.

Subsequent reports are due every 6 calendar month(s).

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Condition 28: Compliance Certification

Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement: 6 NYCRR 225-2.4 (b)

Item 28.1:

The Compliance Certification activity will be performed for the Facility.

Item 28.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The total concentration of polychlorinated biphenyls (PCBs) shall not exceed 50 parts per million.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: WASTE OIL

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 49.99 parts per million by weight

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME

(INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 2/29/2008.

Subsequent reports are due every 6 calendar month(s).

Condition 29: Compliance Certification

Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement: 6 NYCRR 225-2.4 (b)

Item 29.1:

The Compliance Certification activity will be performed for the Facility.

Item 29.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The maximum concentration of sulfur in the waste fuel shall not exceed the limit cited below.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: WASTE OIL

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 50 percent by weight

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME

(INSTANTANEOUS/DISCRETE OR GRAB)



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Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 2/29/2008.

Subsequent reports are due every 6 calendar month(s).

Condition 30: Compliance Certification

Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement: 6 NYCRR 225-2.7 (a)

Item 30.1:

The Compliance Certification activity will be performed for the Facility.

Item 30.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

As required the facility shall sample, analyze, and measure all quantities of waste fuel received and/or fired at the facility. Emissions and/or operations monitoring shall be conducted in a manner suitable to the representative of the commissioner. The facility shall maintain records of quantities of waste fuel B received and the names and addresses of waste Fuel B suppliers for three calendar years.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 2/29/2008.

Subsequent reports are due every 6 calendar month(s).

Condition 31: Availability of records for Department inspection.

Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement: 6 NYCRR 225-2.7 (d)

Item 31.1:

Any person required to maintain and retain records pursuant to this section must make such records available for inspection by the commissioner or his representative during normal business hours. Such person(s) must furnish copies of such records to the commissioner or his representative upon request.

Condition 32: Sampling and analysis requirements.

Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement: 6 NYCRR 225-2.7 (e)

Item 32.1:

Sampling and analysis of waste fuel samples must be carried out in accordance with methods acceptable to the commissioner.

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Condition 33: Compliance Certification

Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement:6 NYCRR 227-1.3

Item 33.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 33.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility shall abide by the terms of consent order
#CO7-20040913-4. Opacity shall be recorded, monitored and reported as
per the above order, and fines shall be levied according to the
stipulated provisions therein.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 2/29/2008.

Subsequent reports are due every 6 calendar month(s).

Condition 34: Compliance Certification

Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement:40CFR 52.21, Subpart A

Item 34.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 34.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The facility shall abide by the terms of consent order 05 CV 6014
CJS(P), and all subsequent modifications to the requirements therein,
as approved by the Albany Division of Legal Affairs and the New York
State Attorney General's office. This permit shall be modified after
the final proposed Sulfur Dioxide emission rates and the final
proposed NOx emission rates have been submitted by AES, and approved
the the Department and by the State Attorney General. The permit
modification shall incorporate these new emission limits, as well as

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any other operating or emission parameters or limits arising from the activities performed under the above order.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 2/29/2008.

Subsequent reports are due every 6 calendar month(s).

Condition 35: Compliance Certification
Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement: 40 CFR Part 64

Item 35.1:

The Compliance Certification activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000000-00-0 PARTICULATES

Item 35.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For unit 3, CAM requirements for particulates shall be fulfilled through the continuous monitoring of opacity as an indicator of satisfactory ESP function. Opacity of less than 20%, except for one six-minute period per hour of up to 27%, shall be considered to be an acceptable range of ESP performance. Opacity in excess of that range shall prompt corrective action, beginning with an evaluation of the opacity data, and other operational parameters such as primary and secondary ESP voltages and currents, and sparking rates. ESP problems shall be identified and resolved in a timely manner.

For unit 4, CAM requirements for particulates shall be fulfilled through the continuous monitoring of opacity as an indicator of baghouse function. An increase in opacity to a level outside of the normal, long term operating range shall prompt corrective action, beginning with an evaluation of the opacity data, and including baghouse operating parameters such as inlet/outlet temperature and pressure differential. Baghouse problems shall be identified and resolved in a timely manner. A stack test for particulates shall be performed by January 20, 2008, in accordance with approved EPA procedures in 40CFR60, Appendix A.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 45 days after the reporting period.

The initial report is due 2/14/2008.

Subsequent reports are due every 6 calendar month(s).

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****** Emission Unit Level ******

Condition 36: Emission Point Definition By Emission Unit
Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 36.1:

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: G-00004

Emission Point: 00004

Height (ft.): 227

Diameter (in.): 156

NYTMN (km.): 4727.002 NYTME (km.): 340.321 Building: BOILER

Item 36.2:

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: G-00007

Emission Point: 00071

Height (ft.): 88

Diameter (in.): 16

NYTMN (km.): 4727.032 NYTME (km.): 340.366 Building: BOILER

Emission Point: 00072

Height (ft.): 133

Length (in.): 108

Width (in.): 108

NYTMN (km.): 4727.04 NYTME (km.): 340.389 Building: BOILER

Condition 37: Process Definition By Emission Unit
Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement:6 NYCRR Subpart 201-6

Item 37.1:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: G-00003

Process: P41

Source Classification Code: 1-01-002-02

Process Description:

Emission source b0004 fires bituminous coal as its primary baseline fuel (0-100% by weight of total fuel entering the boiler). Particulate matter emissions are controlled by the use of a multiclone mechanical collector and an electrostatic precipitator and measured (when requested by dec) at emission point 00003. Sulfur dioxide emissions are controlled by limiting the sulfur content of the total fuel. NOx emissions are controlled through good combustion practices. NOx limits on a system-wide basis are established in the title 1 NOx compliance plan. Sulfur dioxide and NOx emissions are measured by the continuous

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emission monitoring system on emission point 00003.

Emission Source/Control: B0004 - Combustion
Design Capacity: 380 million Btu per hour

Emission Source/Control: ESP04 - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Emission Source/Control: MC004 - Control
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Item 37.2:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: G-00003

Process: P42

Source Classification Code: 1-01-005-01

Process Description:

Emission source B0004 uses no. 2 fuel oil as a startup fuel and for flame stabilization. It is used on an as-needed basis. There are no specific fuel oil controls for sulfur dioxide or nitrogen oxides emissions. When operating as a generator, sulfur dioxide and nitrogen oxides emissions are measured by the continuous emission monitoring system on emission point 00003; when operated as a synchronous condenser, sulfur dioxide and nitrogen oxides emissions are measured by alternative methods detailed in the Greenidge Station CEM monitoring plan.

Emission Source/Control: B0004 - Combustion
Design Capacity: 380 million Btu per hour

Emission Source/Control: ESP04 - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Emission Source/Control: MC004 - Control
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Item 37.3:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: G-00003

Process: P43

Source Classification Code: 1-01-013-02

Process Description:

Emission source B0004 is permitted to fire waste oil. It is used on an occasional basis. When waste oil only is being fired, the electrostatic precipitators are not energized. The precipitators are energized, however, when waste oil is being burned along with baseline fuels. Emission source B0004 is limited to burning waste oil at a maximum rate of 5 gallons per minute. The waste oil must meet the specifications of 6 NYCRR 225-2. When operating as a generator, sulfur dioxide and nitrogen oxides emissions are measured by the continuous emission monitoring system on emission point 00003; when operated as a synchronous condenser, sulfur dioxide and nitrogen oxides emissions

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are measured by alternative methods detailed in the Greenidge Station CEM monitoring plan.

Emission Source/Control: B0004 - Combustion
Design Capacity: 380 million Btu per hour

Emission Source/Control: ESP04 - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Emission Source/Control: MC004 - Control
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Item 37.4:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: G-00003
Process: P44 Source Classification Code: 1-02-002-02
Process Description:
Burning of sub-bituminous (reduced sulfur) coal as a supplemental fuel at up to 30% by weight entering the boiler B0004 (boiler 4.)

Emission Source/Control: B0004 - Combustion
Design Capacity: 380 million Btu per hour

Emission Source/Control: ESP04 - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Emission Source/Control: MC004 - Control
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Item 37.5:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: G-00003
Process: P45 Source Classification Code: 1-01-002-03
Process Description:
Emission source B0004 is permitted to fire clean unadulterated wood as a primary baseline fuel (0-100% by weight of total fuel entering the boiler). Particulate matter emissions are controlled by the use of a multiclone mechanical collector and an electrostatic precipitator and measured (when requested by DEC) at emission point 00003. Sulfur dioxide emissions are controlled by limiting the sulfur content of the total fuel. Nitrogen oxides emissions are controlled through good combustion practices. Nitrogen oxides limits on a system-wide basis are established in the title 1 NOx compliance plan. Sulfur dioxide and nitrogen oxides emissions are measured by the continuous emission monitoring system on emission point 00003.

Emission Source/Control: B0004 - Combustion
Design Capacity: 380 million Btu per hour

Emission Source/Control: ESP04 - Control

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Control Type: ELECTROSTATIC PRECIPITATOR

Emission Source/Control: MC004 - Control

Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Item 37.6:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: G-00003

Process: P49

Source Classification Code: 1-01-005-01

Process Description:

Emission source B0004 uses diesel fuel as a startup fuel and for flame stabilization. It is used on an as-needed basis. There are no specific diesel fuel controls for sulfur dioxide or nitrogen oxides emissions. When operating as a generator, sulfur dioxide and nitrogen oxides emissions are measured by the continuous emission monitoring system on emission point 00003; when operated as a synchronous condenser, sulfur dioxide and nitrogen oxides emissions are measured by alternative methods detailed in the Greenidge station CEM monitoring plan.

Emission Source/Control: B0004 - Combustion

Design Capacity: 380 million Btu per hour

Emission Source/Control: ESP04 - Control

Control Type: ELECTROSTATIC PRECIPITATOR

Emission Source/Control: MC004 - Control

Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Item 37.7:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: G-00003

Process: P4A

Source Classification Code: 1-01-012-01

Process Description:

Emission source B0004 is permitted to fire waste wood product from laminated particle board furniture manufacturing processes with coal, sub-bituminous coal and/or clean unadulterated wood at up to 30% by weight of total fuel entering the boiler. Particulate matter emissions are controlled by the use of a multiclone mechanical collector and an electrostatic precipitator and measured (when requested by DEC) at emission point 00003. Sulfur dioxide emissions are controlled by limiting the sulfur content of the total fuel. Nitrogen oxides emissions are controlled through good combustion practices. Nitrogen oxides limits on a system-wide basis are established in the title 1 NOx compliance plan. Sulfur dioxide and nitrogen oxides emissions are measured by the continuous emission monitoring system on emission point 00003.

Emission Source/Control: B0004 - Combustion

Design Capacity: 380 million Btu per hour

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Emission Source/Control: ESP04 - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Emission Source/Control: MC004 - Control
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Item 37.8:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: G-00003

Process: P4X

Source Classification Code: 1-01-003-04

Process Description:

Emission source B0004 is permitted to fire a variety of fuels in various mixtures; the individual fuels and any applicable limits regarding their use are described separately. Process P4X has been created to calculate emissions for the various mixtures. Processes P41 and P45 can be combusted alone or in any combination; P4A can be combusted (with certain limits as detailed in the process description) with any combination of P41/P45. Because the processes are not mutually exclusive, it is appropriate to create a combined process description.

Emission Source/Control: B0004 - Combustion
Design Capacity: 380 million Btu per hour

Emission Source/Control: ESP04 - Control
Control Type: ELECTROSTATIC PRECIPITATOR

Emission Source/Control: MC004 - Control
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Item 37.9:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: G-00003

Process: P51

Source Classification Code: 1-01-002-02

Process Description:

Emission source B0005 fires bituminous coal as its primary baseline fuel (0-100% by weight of total fuel entering the boiler). Particulate matter emissions are controlled by the use of a multiclone mechanical collector and an electrostatic precipitator and measured (when requested by DEC) at emission point 00003. Sulfur dioxide emissions are controlled by limiting the sulfur content of the total fuel. Nitrogen oxides emissions are controlled through good combustion practices. Nitrogen oxides limits on a system-wide basis are established in the title 1 nox compliance plan. Sulfur dioxide and nitrogen oxides emissions are measured by the continuous emission monitoring system on emission point 00003.

Emission Source/Control: B0005 - Combustion
Design Capacity: 380 million Btu per hour

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Permit ID: 8-5736-00004/00013

Facility DEC ID: 8573600004



Emission Source/Control: MC005 - Control
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Item 37.10:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: G-00003

Process: P52

Source Classification Code: 1-01-005-01

Process Description:

Emission source B0005 uses no. 2 fuel oil as a startup fuel and for flame stabilization. It is used on an as-needed basis. There are no specific fuel oil controls for sulfur dioxide or nitrogen oxides emissions. When operating as a generator, sulfur dioxide and nitrogen oxides emissions are measured by the continuous emission monitoring system on emission point 00003; when operated as a synchronous condenser, sulfur dioxide and nitrogen oxides emissions are measured by alternative methods detailed in the Greenidge station CEM monitoring plan.

Emission Source/Control: B0005 - Combustion

Design Capacity: 380 million Btu per hour

Emission Source/Control: MC005 - Control

Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Item 37.11:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: G-00003

Process: P53

Source Classification Code: 1-01-013-02

Process Description:

Emission source B0005 is permitted to fire waste oil. It is used on an occasional basis. When waste oil only is being fired, the electrostatic precipitators are not energized. The precipitators are energized, however, when waste oil is being burned along with baseline fuels. Emission source B0005 is limited to burning waste oil at a maximum rate of 5 gallons per minute. The waste oil must meet the specifications of 6 NYCRR 225-2. There are no specific controls for sulfur dioxide or nitrogen oxides emissions. When operating as a generator, sulfur dioxide and nitrogen oxides emissions are measured by the continuous emission monitoring system on emission point 00003; when operated as a synchronous condenser, sulfur dioxide and nitrogen oxides emissions are measured by alternative methods detailed in the Greenidge station CEM monitoring plan.

Emission Source/Control: B0005 - Combustion

Design Capacity: 380 million Btu per hour

Emission Source/Control: MC005 - Control

Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

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Item 37.12:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: G-00003

Process: P54

Source Classification Code: 1-02-002-02

Process Description:

Burning of sub-bituminous coal at up to 30% by weight in emission source B0005 (boiler 5.)

Emission Source/Control: B0005 - Combustion

Design Capacity: 380 million Btu per hour

Emission Source/Control: MC005 - Control

Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Item 37.13:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: G-00003

Process: P55

Source Classification Code: 1-01-009-03

Process Description:

Emission source B0005 is permitted to clean unadulterated wood as a primary baseline fuel (0-100% by weight of total fuel entering the boiler). Particulate matter emissions are controlled by the use of a multiclone mechanical collector and an electrostatic precipitator and measured (when requested by DEC) at emission point 00003. Sulfur dioxide emissions are controlled by limiting the sulfur content of the total fuel. Nitrogen oxides emissions are controlled through good combustion practices. Nitrogen oxides limits on a system-wide basis are established in the title 1 NOx compliance plan. Sulfur dioxide and nitrogen oxides emissions are measured by the continuous emission monitoring system on emission point 00003.

Emission Source/Control: B0005 - Combustion

Design Capacity: 380 million Btu per hour

Emission Source/Control: MC005 - Control

Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Item 37.14:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: G-00003

Process: P59

Source Classification Code: 1-01-005-01

Process Description:

Emission source B0005 uses diesel fuel as a startup fuel and for flame stabilization. It is used on an as-needed basis. There are no specific diesel fuel controls for sulfur dioxide or nitrogen oxides emissions. When operating as a generator, sulfur dioxide and nitrogen oxides emissions are measured by the continuous emission monitoring system on emission point 00003; when operated as a synchronous condenser, sulfur dioxide and nitrogen oxides emissions are measured

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by alternative methods detailed in the Greenidge Station cem monitoring plan.

Emission Source/Control: B0005 - Combustion
Design Capacity: 380 million Btu per hour

Emission Source/Control: MC005 - Control
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Item 37.15:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: G-00003

Process: P5A

Source Classification Code: 1-01-012-01

Process Description:

Emission source B0005 is permitted to fire the waste wood product from laminated particle board furniture manufacturing processes with coal, sub-bituminous coal and/or clean unadulterated wood at up to 30% by weight of total fuel entering the boiler. Particulate matter emissions are controlled by the use of a multiclone mechanical collector and an electrostatic precipitator and measured (when requested by DEC) at emission point 00003. Sulfur dioxide emissions are controlled by limiting the sulfur content of the total fuel. Nitrogen oxides emissions are controlled through good combustion practices. Nitrogen oxides limits on a system-wide basis are established in the title 1 NOx compliance plan. Sulfur dioxide and nitrogen oxides emissions are measured by the continuous emission monitoring system on emission point 00003.

Emission Source/Control: B0005 - Combustion
Design Capacity: 380 million Btu per hour

Emission Source/Control: MC005 - Control
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Item 37.16:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: G-00003

Process: P5X

Source Classification Code: 1-01-003-04

Process Description:

Emission source B005 is permitted to fire a variety of fuels in various mixtures; the individual fuels and any applicable limits regarding their use are described separately. Process P5X has been created to calculate emissions for the various mixtures. Processes P51 and P55 can be combusted alone or in any combination; P5A can be combusted (within certain limits as detailed in the process description) with any combination of P51/P55. Because the processes are not mutually exclusive, it is appropriate to create a combined process description.

Emission Source/Control: B0005 - Combustion

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Design Capacity: 380 million Btu per hour

Emission Source/Control: MC005 - Control

Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Item 37.17:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: G-00004

Process: P61

Source Classification Code: 1-01-002-02

Process Description:

Emission source B0006 fires bituminous coal as its primary baseline fuel (0-100% by weight of total fuel entering the boiler). Nitrogen oxides emissions are controlled through the use of overfire air combustion practices in conjunction with selective non-catalytic reduction (SNCR) and selective catalytic reduction (SCR). After the emissions limits in 6NYCRR, Part 246 take effect, mercury emissions will be controlled using powdered activated carbon injection as needed to achieve such limits. Sulfur dioxide emissions are controlled using a circulating dry scrubber (CDS.) Particulate matter emissions are controlled by the use of a baghouse. Sulfur dioxide and nitrogen oxides emissions are measured by the continuous emissions monitoring system (CEMS) on emission point 00004. Particulate matter emissions are measured by stack testing on emission point 00004.

Emission Source/Control: B0006 - Combustion

Design Capacity: 1,117 million Btu per hour

Emission Source/Control: BAG06 - Control

Control Type: FABRIC FILTER

Emission Source/Control: CAR06 - Control

Control Type: ACTIVATED CARBON INJECTION

Emission Source/Control: NCR06 - Control

Control Type: SELECTIVE NON-CATALYTIC REDUCTION (SNCR)

Emission Source/Control: OFA06 - Control

Control Type: OVERFIRE AIR

Emission Source/Control: SCR06 - Control

Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: SDR06 - Control

Control Type: DRY SPRAY ABSORPTION

Item 37.18:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: G-00004

Process: P62

Source Classification Code: 1-01-005-01

Process Description:

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Emission source B00006 uses no. 2 fuel oil as a startup fuel and for flame stabilization. It is used on an as needed basis. Particulate matter emission are controlled by the use of a baghouse. There are no specific fuel oil controls for sulfur dioxide or nitrogen oxides emissions. Sulfur dioxide and nitrogen oxides emissions are measured by the continuous emissions monitoring system (CEMS) on emission point 00004.

Emission Source/Control: B0006 - Combustion
Design Capacity: 1,117 million Btu per hour

Emission Source/Control: BAG06 - Control
Control Type: FABRIC FILTER

Item 37.19:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: G-00004

Process: P63

Source Classification Code: 1-01-013-02

Process Description:

Emission source B0006 is permitted to fire waste oil. It is used on an occasional basis. Emission source B0006 is limited to burning waste oil at a maximum rate of 5 gallons per minute. The waste oil must meet the specifications of 6 NYCRR part 225-2. Particulate matter emissions are controlled by the use of a baghouse. When waste oil only is being fired, there are no specific emission controls for nitrogen oxides and sulfur dioxide. However, when waste oil is being burned along with baseline fuels, the nitrogen oxides and sulfur dioxide emission control systems are in use. Sulfur dioxide and nitrogen oxides emissions are measured by the continuous emissions monitoring system (CEMS) on emission point 00004.

Emission Source/Control: B0006 - Combustion
Design Capacity: 1,117 million Btu per hour

Emission Source/Control: BAG06 - Control
Control Type: FABRIC FILTER

Emission Source/Control: CAR06 - Control
Control Type: ACTIVATED CARBON INJECTION

Emission Source/Control: NCR06 - Control
Control Type: SELECTIVE NON-CATALYTIC REDUCTION (SNCR)

Emission Source/Control: OFA06 - Control
Control Type: OVERFIRE AIR

Emission Source/Control: SCR06 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: SDR06 - Control
Control Type: DRY SPRAY ABSORPTION

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Item 37.20:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: G-00004

Process: P64

Source Classification Code: 1-01-002-02

Process Description:

Emission source B0006 is permitted to fire sub-bituminous (reduced sulfur) coal as a supplemental fuel at up to 30% by weight of the total fuel entering the boiler. Nitrogen oxides emissions are controlled through the use of overfire air combustion practices in conjunction with selective non-catalytic reduction (SNCR) and selective catalytic reduction (SCR). After the emissions limits in 6NYCRR part 246 take effect, mercury emissions will be controlled using powdered activated carbon injection as needed to achieve such limits. Sulfur dioxide emissions are controlled using a circulating dry scrubber system (CDS.) Particulate matter emissions are controlled by the use of a baghouse. Sulfur dioxide and nitrogen oxides emissions are measured by the continuous emissions monitoring system (CEMS) on emission point 00004. Particulate matter emissions are measured by stack testing (when requested by NYSDEC) on emission point 00004.

Emission Source/Control: B0006 - Combustion

Design Capacity: 1,117 million Btu per hour

Emission Source/Control: BAG06 - Control

Control Type: FABRIC FILTER

Emission Source/Control: CAR06 - Control

Control Type: ACTIVATED CARBON INJECTION

Emission Source/Control: NCR06 - Control

Control Type: SELECTIVE NON-CATALYTIC REDUCTION (SNCR)

Emission Source/Control: OFA06 - Control

Control Type: OVERFIRE AIR

Emission Source/Control: SCR06 - Control

Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: SDR06 - Control

Control Type: DRY SPRAY ABSORPTION

Item 37.21:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: G-00004

Process: P65

Source Classification Code: 1-01-009-03

Process Description:

Emission source B0006 is permitted to fire clean unadulterated wood as a supplement to bituminous coal (% by weight of total fuel entering

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the boiler otherwise unrestricted). Nitrogen oxides emissions are controlled through the use of overfire air combustion practices in conjunction with selective non-catalytic reduction (SNCR) and selective catalytic reduction (SCR). After the emissions limits in 6NYCRR part 246 take effect, mercury emissions will be controlled using powdered activated carbon injection as needed to achieve such limits. Sulfur dioxide emissions are controlled using a lime spray dry reactor system. Particulate matter emissions are controlled by the use of a baghouse. Sulfur dioxide and nitrogen oxides emissions are measured by the continuous emissions monitoring system (CEMS) on emission point 0004. Particulate matter emissions are measured by stack testing (when requested by NYSDEC) on emission point 0004

Emission Source/Control: B0006 - Combustion
Design Capacity: 1,117 million Btu per hour

Emission Source/Control: BAG06 - Control
Control Type: FABRIC FILTER

Emission Source/Control: CAR06 - Control
Control Type: ACTIVATED CARBON INJECTION

Emission Source/Control: NCR06 - Control
Control Type: SELECTIVE NON-CATALYTIC REDUCTION (SNCR)

Emission Source/Control: OFA06 - Control
Control Type: OVERFIRE AIR

Emission Source/Control: SCR06 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: SDR06 - Control
Control Type: DRY SPRAY ABSORPTION

Item 37.22:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: G-00004

Process: P69

Source Classification Code: 1-01-005-01

Process Description:

EMISSION SOURCE B0006 USES DIESEL FUEL OR KEROSENE AS A STARTUP FUEL AND FOR FLAME STABILIZATION. IT IS USED ON AN AS NEEDED BASIS. PARTICULATE MATTER EMISSIONS ARE CONTROLLED BY THE USE OF A BAGHOUSE. THERE ARE NO SPECIFIC FUEL OIL CONTROLS FOR SULFUR DIOXIDE OR NITROGEN OXIDES EMISSIONS. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSIONS MONITORING SYSTEM (CEMS) ON EMISSION POINT 00004.

Emission Source/Control: B0006 - Combustion
Design Capacity: 1,117 million Btu per hour

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Emission Source/Control: BAG06 - Control
Control Type: FABRIC FILTER

Item 37.23:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: G-00004

Process: P6A

Source Classification Code: 1-01-006-04

Process Description:

Emission source B0006 is permitted to fire waste wood product from the laminated particle board furniture manufacturing process as a supplement to bituminous coal, sub-bituminous coal and/or clean unadulterated wood at up to 30% by weight of the total fuel entering the boiler. Waste wood product may not be mixed with any other alternative fuel. Nitrogen oxides emissions are controlled through the use of overfire air combustion practices in conjunction with selective non-catalytic reduction (SNCR) and selective catalytic reduction (SCR). After the emissions limits in 6NYCRR part 246 take effect, mercury emissions will be controlled using powdered activated carbon injection as needed to achieve such limits. Sulfur dioxide emissions are controlled using a circulating dry scrubber (CDS) system. Particulate matter emissions are controlled by the use of a baghouse. Sulfur dioxide and nitrogen oxides emissions are measured by the continuous emissions monitoring system (CEMS) on emission point 0004. Particulate matter emissions are measured by stack testing (when requested by NYSDEC) emission point 0004.

Emission Source/Control: B0006 - Combustion
Design Capacity: 1,117 million Btu per hour

Emission Source/Control: BAG06 - Control
Control Type: FABRIC FILTER

Emission Source/Control: CAR06 - Control
Control Type: ACTIVATED CARBON INJECTION

Emission Source/Control: NCR06 - Control
Control Type: SELECTIVE NON-CATALYTIC REDUCTION (SNCR)

Emission Source/Control: OFA06 - Control
Control Type: OVERFIRE AIR

Emission Source/Control: SCR06 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: SDR06 - Control
Control Type: DRY SPRAY ABSORPTION

Item 37.24:

This permit authorizes the following regulated processes for the cited Emission Unit:

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Emission Unit: G-00004

Process: P6B

Source Classification Code: 1-01-012-01

Process Description:

EMISSION SOURCE B00006 USES NATURAL GAS FOR A PORTION OF THE BOILER'S HEAT INPUT WHEN OPERATING IN GAS REBURN MODE. WHILE THERE IS NO SPECIFIC LIMIT ON THE AMOUNT OF NATURAL GAS THAT MAY BE BURNED, EMISSION SOURCE B00006 IS ONLY CAPABLE OF USING NATURAL GAS FOR APPROXIMATELY 20% OF THE TOTAL BOILER HEAT INPUT.

Emission Source/Control: B0006 - Combustion

Design Capacity: 1,117 million Btu per hour

Emission Source/Control: BAG06 - Control

Control Type: FABRIC FILTER

Emission Source/Control: CAR06 - Control

Control Type: ACTIVATED CARBON INJECTION

Emission Source/Control: NCR06 - Control

Control Type: SELECTIVE NON-CATALYTIC REDUCTION (SNCR)

Emission Source/Control: OFA06 - Control

Control Type: OVERFIRE AIR

Emission Source/Control: SCR06 - Control

Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: SDR06 - Control

Control Type: DRY SPRAY ABSORPTION

Item 37.25:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: G-00004

Process: P6X

Source Classification Code: 1-01-006-04

Process Description:

Emission source B0006 is permitted to fire a variety of fuels in various mixtures; the individual fuels and any applicable limits regarding their use are described separately. Process P6X has been created to calculate emissions for the various mixtures. Processes P61, P65 and P6B can be combusted alone or in any combination; P6A can be combusted (within certain limits as detailed in the process description) with any combination of P61/P65/P6B. Because the processes are not mutually exclusive, it is appropriate to create a combined process description.

Emission Source/Control: B0006 - Combustion

Design Capacity: 1,117 million Btu per hour

Emission Source/Control: BAG06 - Control

Control Type: FABRIC FILTER

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Emission Source/Control: CAR06 - Control
Control Type: ACTIVATED CARBON INJECTION

Emission Source/Control: NCR06 - Control
Control Type: SELECTIVE NON-CATALYTIC REDUCTION (SNCR)

Emission Source/Control: OFA06 - Control
Control Type: OVERFIRE AIR

Emission Source/Control: SCR06 - Control
Control Type: SELECTIVE CATALYTIC REDUCTION (SCR)

Emission Source/Control: SDR06 - Control
Control Type: DRY SPRAY ABSORPTION

Item 37.26:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: G-00005
 Process: CHS Source Classification Code: 3-99-999-99
 Process Description:
 All potential process operations associated with coal storage and handling. All emissions are fugitive.

Emission Source/Control: CPILE - Process

Item 37.27:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: G-00005
 Process: WHS Source Classification Code: 3-99-999-99
 Process Description:
 ALL POTENTIAL PROCESS OPERATIONS ASSOCIATED WITH WOOD
 STORAGE AND HANDLING. ALL EMISSIONS ARE FUGITIVE.

Emission Source/Control: WPILE - Process

Item 37.28:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: G-00006
Process: ASH Source Classification Code: 3-99-999-99
Process Description:
All process operations associated with flyash and bottom ash handling and disposal. All non-exempt emissions are fugitive.

Emission Source/Control: FLYS1 - Process

Emission Source/Control: LNDFL - Process

Item 37.29:

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This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: G-00007

Process: P7L

Source Classification Code: 3-99-999-99

Process Description:

All process operations associated with the circulating dry scrubber system.

Emission Source/Control: BAG07 - Control

Control Type: FABRIC FILTER

Emission Source/Control: SBR07 - Control

Control Type: DRY SPRAY ABSORPTION

Emission Source/Control: HYD07 - Process

Emission Source/Control: SPR07 - Process

Item 37.30:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: G-00008

Process: P8U

Source Classification Code: 3-99-999-99

Process Description: Aqueous urea system

Emission Source/Control: P8U01 - Process

Emission Source/Control: TNK08 - Process

Condition 38: Compliance Certification

Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement: 6 NYCRR 225-1.2 (d)

Item 38.1:

The Compliance Certification activity will be performed for:

Emission Unit: G-00003

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 38.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Sulfur dioxide emissions will be monitored with the CEM to assure compliance with the emissions limit of 5 lb/mmBTU (daily average), corresponding to a sulfur-in-fuel limit of 2.5 lb/mmBTU (daily average.)



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Facility DEC ID: 8573600004

Manufacturer Name/Model Number: CEM
Upper Permit Limit: 5 pounds per million Btus
Reference Test Method: 40 CFR 75
Monitoring Frequency: CONTINUOUS
Averaging Method: 24-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 60 days after the reporting period.
The initial report is due 2/29/2008.
Subsequent reports are due every 6 calendar month(s).

Condition 39: Compliance Certification
Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement: 6 NYCRR 225-1.2 (d)

Item 39.1:

The Compliance Certification activity will be performed for:

Emission Unit: G-00003

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 39.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Sulfur dioxide emissions will be monitored with the CEM to assure compliance with the emissions limit of 3.8 lb/mmBTU (3-month rolling average), corresponding to a sulfur-in-fuel limit of 1.9 lb/mmBTU (3-month rolling average.)

Manufacturer Name/Model Number: CEM
Upper Permit Limit: 3.8 pounds per million Btus
Reference Test Method: 40 CFR 75
Monitoring Frequency: CONTINUOUS
Averaging Method: 90-DAY AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 60 days after the reporting period.
The initial report is due 2/29/2008.
Subsequent reports are due every 6 calendar month(s).

Condition 40: Compliance Certification
Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement: 6 NYCRR 225-1.2 (d)

Item 40.1:

The Compliance Certification activity will be performed for:

Emission Unit: G-00003

New York State Department of Environmental Conservation

Permit ID: 8-5736-00004/00013

Facility DEC ID: 8573600004



Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 40.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Sulfur dioxide emissions will be monitored with the CEM to assure compliance with the emissions limit of 3.8 lb/mmBTU (12-month rolling average), corresponding to a sulfur-in-fuel limit of 1.9 lb/mmBTU (12-month rolling average.)

Manufacturer Name/Model Number: CEM

Upper Permit Limit: 3.8 pounds per million Btus

Reference Test Method: 40 CFR 75

Monitoring Frequency: CONTINUOUS

Averaging Method: 12-month rolling average

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 2/29/2008.

Subsequent reports are due every 6 calendar month(s).

Condition 41: Compliance Certification

Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement: 6 NYCRR 225-2.4 (b)

Item 41.1:

The Compliance Certification activity will be performed for:

Emission Unit: G-00003

Item 41.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The concentration of total halogens in the waste oil shall not exceed 1,000 parts per million.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: WASTE OIL

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 1000.00 parts per million by weight

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME
(INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 2/29/2008.

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Subsequent reports are due every 6 calendar month(s).

Condition 42: Compliance Certification

Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement: 6 NYCRR 227-1.2 (a) (4)

Item 42.1:

The Compliance Certification activity will be performed for:

Emission Unit: G-00003

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 42.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE
PARAMETERS AS SURROGATE

Monitoring Description:

The following equation shall be used to determine the applicable particulate matter emission rate for a stationary combustion installations with a total heat input between 10-10,000 mmBtu/hr:

$$E = 1.0/p^{0.22}$$

where:

E = permissible emission rate in lb/million Btu

p = total heat input in mmBtu/hr.

Parameter Monitored: HEAT INPUT

Upper Permit Limit: 0.232 pounds per million Btus

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 2/29/2008.

Subsequent reports are due every 6 calendar month(s).

Condition 43: Compliance Certification

Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement: 6 NYCRR 227-1.3 (a)

Item 43.1:

The Compliance Certification activity will be performed for:

Emission Unit: G-00003

Item 43.2:

Compliance Certification shall include the following monitoring:

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Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE
PARAMETERS AS SURROGATE

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average utilizing a continuous opacity monitor (COM).

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Monitoring Frequency: CONTINUOUS

Averaging Method: 6 MINUTE AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 2/29/2008.

Subsequent reports are due every 3 calendar month(s).

Condition 44: Multiple fuels particulate matter emission rate.
Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement:6 NYCRR 227-1.5

Item 44.1:

This Condition applies to Emission Unit: G-00003

Item 44.2:

When two or more different fuels are burned simultaneously in a single furnace of a stationary combustion installation, the permissible emission rate for a contaminant shall be the sum of the permissible emission rates of the contaminant for each fuel multiplied by the heat derived from such fuel.

Condition 45: Compliance Certification
Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement:6 NYCRR 227-2.5 (b)

Item 45.1:

The Compliance Certification activity will be performed for:

Emission Unit: G-00003

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 45.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NOx will be monitored using the continuous emissions monitoring

New York State Department of Environmental Conservation

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system and the results reported pursuant to the approved Title 1 NOx RACT plan.

Reference Test Method: 40CFR 75
Monitoring Frequency: CONTINUOUS
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 60 days after the reporting period.
The initial report is due 2/29/2008.
Subsequent reports are due every 3 calendar month(s).

Condition 46: Compliance Certification
Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement: 6 NYCRR 225-1.2 (d)

Item 46.1:
The Compliance Certification activity will be performed for:

Emission Unit: G-00004

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 46.2:
Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)
Monitoring Description:

Sulfur dioxide emissions will be monitored with the CEM to assure compliance with the emissions limit of 5 lb/mmBTU (daily average), corresponding to a sulfur-in-fuel limit of 2.5 lb/mmBTU (daily average.)

Manufacturer Name/Model Number: CEM
Upper Permit Limit: 5 pounds per million Btus
Reference Test Method: 40 CFR 75
Monitoring Frequency: CONTINUOUS
Averaging Method: 24-HOUR AVERAGE
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 45 days after the reporting period.
The initial report is due 2/14/2008.
Subsequent reports are due every 6 calendar month(s).

Condition 47: Compliance Certification
Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement: 6 NYCRR 225-2.4 (b)

Item 47.1:
The Compliance Certification activity will be performed for:

Emission Unit: G-00004

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Facility DEC ID: 8573600004



Item 47.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS

Monitoring Description:

The concentration of total halogens in the waste oil shall not exceed 1,000 parts per million.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: WASTE OIL

Parameter Monitored: CONCENTRATION

Upper Permit Limit: 1000.00 parts per million by weight

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME

(INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 2/29/2008.

Subsequent reports are due every 6 calendar month(s).

Condition 48: Compliance Certification

Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement: 6 NYCRR 227-1.2 (a) (4)

Item 48.1:

The Compliance Certification activity will be performed for:

Emission Unit: G-00004

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 48.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE
PARAMETERS AS SURROGATE

Monitoring Description:

The following equation shall be used to determine the applicable particulate matter emission rate for a stationary combustion installations with a total heat input between 10-10,000 mmBtu/hr:

$$E = 1.0/p^{0.22}$$

where:

E = permissible emission rate in lb/million Btu

p = total heat input in mmBtu/hr.

Parameter Monitored: HEAT INPUT



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Upper Permit Limit: 0.214 pounds per million Btus
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)
Reports due 60 days after the reporting period.
The initial report is due 2/29/2008.
Subsequent reports are due every 6 calendar month(s).

Condition 49: Compliance Certification
Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement: 6 NYCRR 227-1.3 (a)

Item 49.1:

The Compliance Certification activity will be performed for:

Emission Unit: G-00004

Item 49.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE
PARAMETERS AS SURROGATE

Monitoring Description:

No owner or operator of a combustion installation shall emit greater than 20 percent opacity except for one six minute period per hour, not to exceed 27 percent, based upon the six minute average utilizing a continuous opacity monitor (COM).

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Monitoring Frequency: CONTINUOUS
Averaging Method: 6 MINUTE AVERAGE
Reporting Requirements: QUARTERLY (CALENDAR)
Reports due 60 days after the reporting period.
The initial report is due 2/29/2008.
Subsequent reports are due every 3 calendar month(s).

Condition 50: Multiple fuels particulate matter emission rate.
Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement: 6 NYCRR 227-1.5

Item 50.1:

This Condition applies to Emission Unit: G-00004

Item 50.2:

When two or more different fuels are burned simultaneously in a single furnace of a stationary combustion installation, the permissible emission rate for a contaminant shall be the sum of the permissible emission rates of the contaminant for each fuel multiplied by the heat derived from such fuel.



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Condition 51: Compliance Certification

Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement: 6 NYCRR 227-2.5 (b)

Item 51.1:

The Compliance Certification activity will be performed for:

Emission Unit: G-00004

Regulated Contaminant(s):

CAS No: 0NY210-00-0 OXIDES OF NITROGEN

Item 51.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

NOx will be monitored using the continuous emissions monitoring system, and the results reported pursuant the approved Title 1 NOx RACT plan.

Reference Test Method: 40CFR 75

Monitoring Frequency: CONTINUOUS

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 2/29/2008.

Subsequent reports are due every 3 calendar month(s).

Condition 52: Compliance Certification

Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement: 6 NYCRR 225-1.2 (d)

Item 52.1:

The Compliance Certification activity will be performed for:

Emission Unit: G-00004

Emission Point: 00004

Regulated Contaminant(s):

CAS No: 007446-09-5 SULFUR DIOXIDE

Item 52.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Sulfur dioxide emissions will be monitored to assure compliance with sulfur-in-fuel limits in 225-1.2(d). Sulfur dioxide limit is 3.8lb/mmbtu (3-month rolling average), corresponding to sulfur-in-fuel limit of 1.9 lb/mmbtu (3-month rolling average).



New York State Department of Environmental Conservation

Permit ID: 8-5736-00004/00013

Facility DEC ID: 8573600004

Manufacturer Name/Model Number: Monitor Labs 8850, Milton Roy 3300

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 3.8 pounds per million Btus

Reference Test Method: 40CFR 75

Monitoring Frequency: CONTINUOUS

Averaging Method: 90-DAY AVERAGE

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 2/29/2008.

Subsequent reports are due every 3 calendar month(s).

Condition 53: Compliance Certification

Effective between the dates of 11/05/2007 and 11/04/2012

Applicable Federal Requirement: 6 NYCRR 225-1.2 (d)

Item 53.1:

The Compliance Certification activity will be performed for:

Emission Unit: G-00004

Emission Point: 00004

Regulated Contaminant(s):

CAS No: 007446-09-5

SULFUR DIOXIDE

Item 53.2:

Compliance Certification shall include the following monitoring:

Monitoring Type: CONTINUOUS EMISSION MONITORING (CEM)

Monitoring Description:

Sulfur dioxide emissions will be monitored to assure compliance with 225-1.2(d) sulfur-in-fuel limits. Sulfur dioxide emission limit is 3.8 lb/mmBtu (12-month rolling avg.), corresponding to sulfur-in-fuel limit of 1.9 lb/mmBtu (12-month rolling avg.)

Manufacturer Name/Model Number: Monitor Labs 8850, Milton Roy 3300

Parameter Monitored: SULFUR DIOXIDE

Upper Permit Limit: 3.8 pounds per million Btus

Reference Test Method: 40CFR 75

Monitoring Frequency: CONTINUOUS

Averaging Method: 12-month rolling average

Reporting Requirements: QUARTERLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 2/29/2008.

Subsequent reports are due every 3 calendar month(s).

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STATE ONLY ENFORCEABLE CONDITIONS

****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability

Item A: General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state applicable requirements and are not subject to compliance certification requirements unless otherwise noted or required under 6 NYCRR Part 201.

**Condition 54: Contaminant List
Effective between the dates of 11/05/2007 and 11/04/2012**

Applicable State Requirement:ECL 19-0301

Item 54.1:

Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 007446-09-5
Name: SULFUR DIOXIDE

CAS No: 0NY075-00-0
Name: PARTICULATES

CAS No: 0NY210-00-0

New York State Department of Environmental Conservation

Permit ID: 8-5736-00004/00013

Facility DEC ID: 8573600004



Name: OXIDES OF NITROGEN

Condition 55: Unavoidable noncompliance and violations
Effective between the dates of 11/05/2007 and 11/04/2012

Applicable State Requirement: 6 NYCRR 201-1.4

Item 55.1:

At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

(a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates. These reporting requirements are superceded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.

(c) The Department may also require the owner and/or operator to include in reports described under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions depending on the deviation of the malfunction and the air contaminants emitted.

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which result in emissions exceeding any applicable emission standard, the facility owner and/or operator shall take appropriate action to prevent emissions which will result in contravention of any applicable ambient air quality standard. Reasonably available control technology, as determined by the commissioner, shall be applied during any maintenance, start-up/shutdown or malfunction condition subject to this paragraph.

(e) In order to have a violation of a federal regulation (such as a new source performance

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standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

Condition 56: Air pollution prohibited
Effective between the dates of 11/05/2007 and 11/04/2012

Applicable State Requirement:6 NYCRR 211.2

Item 56.1:

No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

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New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 8-5736-00004/00013

Renewal Number: 1

06/24/2014

Facility Identification Data

Name: AES GREENIDGE LLC

Address: 590 PLANT RD

DRESDEN, NY 14441

Owner/Firm

Name: GREENIDGE GENERATION LLC

Address: 800 E ELIZABETH AVE

LINDEN, NJ 07036, USA

Owner Classification: Corporation/Partnership

Permit Contacts

Air Permitting Contact:

Name: DALE IRWIN

Address: GREENIDGE GENERATION LLC

590 PLANT RD

DRESDEN, NY 14441

Phone: 3155363423

Permit Description

Introduction

The Title V operating air permit is intended to be a document containing only enforceable terms and conditions as well as any additional information, such as the identification of emission units, emission points, emission sources and processes, that makes the terms meaningful. 40 CFR Part 70.7(a)(5) requires that each Title V permit have an accompanying "...statement that sets forth the legal and factual basis for the draft permit conditions". The purpose for this permit review report is to satisfy the above requirement by providing pertinent details regarding the permit/application data and permit conditions in a more easily understandable format. This report will also include background narrative and explanations of regulatory decisions made by the reviewer. It should be emphasized that this permit review report, while based on information contained in the permit, is a separate document and is not itself an enforceable term and condition of the permit.

Summary Description of Proposed Project

AES GREENIDGE LLC IS APPLYING FOR A RENEWAL OF ITS TITLE V FACILITY OPERATING PERMIT.

Attainment Status

AES GREENIDGE LLC is located in the town of TORREY in the county of YATES.

The attainment status for this location is provided below. (Areas classified as attainment are those that meet all ambient air quality standards for a designated criteria air pollutant.)

Criteria Pollutant	Attainment Status
Particulate Matter (PM)	ATTAINMENT
Particulate Matter < 10µ in diameter (PM10)	ATTAINMENT
Sulfur Dioxide (SO2)	ATTAINMENT
Ozone*	TRANSPORT REGION (NON-ATTAINMENT)
Oxides of Nitrogen (NOx)**	ATTAINMENT



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Carbon Monoxide (CO)	ATTAINMENT
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* Ozone is regulated in terms of the emissions of volatile organic compounds (VOC) and/or oxides of nitrogen (NOx) which are ozone precursors.

** NOx has a separate ambient air quality standard in addition to being an ozone precursor.

Facility Description:

SEE ATTACHED "MARK-UP" OF CURRENT PERMIT.

Permit Structure and Description of Operations

The Title V permit for AES GREENIDGE LLC

is structured in terms of the following hierarchy: facility, emission unit, emission point, emission source and process. A facility is defined as all emission sources located at one or more adjacent or contiguous properties owned or operated by the same person or persons under common control. The facility is subdivided into one or more emission units (EU). Emission units are defined as any part or activity of a stationary facility that emits or has the potential to emit any federal or state regulated air pollutant. An emission unit is represented as a grouping of processes (defined as any activity involving one or more emission sources (ES) that emits or has the potential to emit any federal or state regulated air pollutant). An emission source is defined as any apparatus, contrivance or machine capable of causing emissions of any air contaminant to the outdoor atmosphere, including any appurtenant exhaust system or air cleaning device. [NOTE: Indirect sources of air contamination as defined in 6 NYCRR Part 203 (i.e. parking lots) are excluded from this definition]. The applicant is required to identify the principal piece of equipment (i.e., emission source) that directly results in or controls the emission of federal or state regulated air pollutants from an activity (i.e., process). Emission sources are categorized by the following types:

combustion - devices which burn fuel to generate heat, steam or power

incinerator - devices which burn waste material for disposal

control - emission control devices

process - any device or contrivance which may emit air contaminants
that is not included in the above categories.

AES GREENIDGE LLC is defined by the following emission unit(s):

Emission unit G00005 - SEE ATTACHED MARK-UP OF CURRENT PERMIT.

Process: CHS is located at Building CPILE1 - ALL POTENTIAL PROCESS OPERATIONS

ASSOCIATED WITH COAL STORAGE AND HANDLING. ALL EMISSIONS ARE FUGITIVE.

Process: WHS is located at Building WOODPILE - ALL POTENTIAL PROCESS OPERATIONS

ASSOCIATED WITH WOOD STORAGE AND HANDLING. ALL EMISSIONS ARE FUGITIVE.

Emission unit G00006 - GREENIDGE STATION IS AN ELECTRIC GENERATING STATION CONSISTING OF TWO GENERATOR UNITS. THE FOLLOWING IDENTIFIERS WILL BE USED IN RELATION TO THIS EMISSION UNIT. ASH HANDLING SYSTEM: EMISSION UNIT G00006; FLYASH STORAGE SILO: EMISSION SOURCE FLS1; ASH DISPOSAL LANDFILL: EMISSION SOURCE LNDLF; FLYASH AND BOTTOM ASH HANDLING AND DISPOSAL: PROCESS ASH. FLYASH COLLECTED BY THE BOILER NOS. 4 AND 5 MULTICLONES AND ELECTROSTATIC PRECIPITATOR, THE BOILER NO. 6 ECONOMIZER AND AIR HEATER HOPPERS, AND THE BOILER NO. 6 BAGHOUSE IS PNEUMATICALLY CONVEYED TO THE FLYASH STORAGE SILO (FLYS1) WHICH IS EQUIPPED WITH A BIN VENT BAGHOUSE. THE FLYASH IS THEN MIXED WITH WATER IN A PUGMILL PRIOR TO BEING DISCHARGED INTO AWAITING TRUCKS FOR



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TRANSPORT TO THE ON-SITE ASH DISPOSAL LANDFILL (LNDFL), WHERE IT IS DUMPED, GRADED, COMPACTED AND COVERED. BOTTOM ASH FROM EACH BOILER IS QUENCHED AND PUMPED TO A SETTLING POINT. SETTLED ASH IS PERIODICALLY DREDGED AND PLACED ON A PILE TO DRY BEFORE BEING SOLD FOR REUSE UNDER A BENEFICIAL USE DETERMINATION (BUD). THE FLYASH STORAGE VENT IS CONTROLLED BY A BAGHOUSE AND IS AN EXEMPT SOURCE IN ACCORDANCE WITH 6 NYCRR PART 201-3.2(c)(27). ALL OTHER POTENTIAL EMISSIONS FROM THIS EMISSION UNIT (PARTICULATE MATTER AND POSSIBLY AMMONIA) ARE FUGITIVE AND THERE ARE NO EMISSION UNIT SPECIFIC APPLICABLE REQUIREMENTS (I.E., ONLY FACILITY-WIDE REQUIREMENTS APPLY).

Process: ASH is located at Building YARD - ALL PROCESS OPERATIONS ASSOCIATED WITH FLYASH AND BOTTOM ASH HANDLING AND DISPOSAL. ALL NON-EXEMPT EMISSIONS ARE FUGITIVE.

Emission unit G00007 - GREENIDGE STATION IS AN ELECTRIC GENERATING STATION CONSISTING OF TWO GENERATOR UNITS. THE FOLLOWING IDENTIFIERS WILL BE USED IN RELATION TO THIS EMISSION UNIT. LIME HYDRATING SYSTEM (FOR THE GAS DESULFURIZATION SYSTEM): EMISSION UNIT G00007; LIME HYDRA TPR" EMISSION SOURCE HYD07; AIR CLASSIFIER: EMISSION SOURCE SPR07; LIME HYDRATOR WET SCRUBBER: EMISSION CONTROL SBR07; AIR CLASSIFIER BAGHOUSE: EMISSION SOURCE BAG07. QUICKTIME (CaO) IS DELIVERED BY TRUCK AND PNEUMATICALLY UNLOADED TO A STORAGE SILO EQUIPPED WITH A BIN VENT FILTER. THE QUICKLIME IS TRANSFERRED TO THE LIME HYDRATOR (HYD07) VIA A BELT CONVEYOR WHERE IT IS MIXED WITH WATER. HYDRATED LIME IS DICHARGED THROUGH A SCREW FEEDER AND TRANSFERRED TO THE AIR CLASSIFIER (SPRO07) VIA BUCKET ELEVATOR. CLASSIFIED HYDRATED MATERIAL IS PNEUMATICALLY TRANSFERRED TO A STORAGE SILO EQUIPPED WITH A BIN VENT FILTER FOR USE AS FEED TO THE FLUE GAS DESULFURIZATION SYSTEM SPRAY DRY REACTOR. OVERSIZE MATERIAL IS RECIRCULATED TO THE HYDRATOR AND GRIT IS REMOVED AND DISPOSED OF. EMISSIONS FROM THE LIME HYDRATOR (HYD07) ARE CONTROLLED BY A WET SCRUBBER (SBR07) AND DISCHARGED THROUGH EMISSION POINT 00071. EXHAUST FROM THE AIR CLASSIFIER (SPR07) IS PASSED THROUGH A BAGHOUSE (BAG07) AND IS DISCHARGED THROUGH EMISSION POINT 00072. THE QUICKLIME AND HYDRATED LIME STORAGE SILOS ARE EXEMPT SOURCES IN ACCORDANCE WITH 6 NYCRR PART 201-3.2(c)(27).

Emission unit G00007 is associated with the following emission points (EP): 00071, 00072

Process: P7L is located at Building BOILER - ALL PROCESS OPERATIONS ASSOCIATED WITH LIME HYDRATING SYSTEM.

Emission unit G00008 - Aqueous urea system

Process: P8U is located at Building BOILER - Aqueous urea system

Emission unit G00004 - SEE ATTACHED MARK-UP OF CURRENT PERMIT.

Emission unit G00004 is associated with the following emission points (EP): 00004

Process: P61 is located at Building BOILER - EMISSION SOURCE B0006 FIRES BITUMINOUS COAL AS ITS PRIMARY BASELINE FUEL (O-100% BY WEIGHT OF TOTAL FUEL ENTERING THE BOILER). NITROGEN OXIDES EMISSIONS ARE CONTROLLED THROUGH THE USE OF



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OVERFIRE AIR COMBUSTION PRACTICES IN CONJUNCTION WITH SELECTIVE NON - CATALYTIC REDUCTION (SNCR) AND SELECTIVE CATALYTIC REDUCTION (SCR). MERCURY EMISSIONS ARE CONTROLLED USING POWDERED ACTIVATED CARBON INJECTION AND SULFUR DIOXIDE EMISSIONS ARE CONTROLLED USING A LIME SPRAY DRY REACTOR SYSTEM. PARTICULATE MATTER EMISSIONS ARE CONTROLLED BY THE USE OF A BAGHOUSE. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSIONS MONITORING SYSTEM (CEMS) ON EMISSION POINT 00004. PARTICULATE MATTER EMISSIONS ARE MEASURED BY STACK TESTING (WHEN REQUESTED BY NYSDEC) EMISSION POINT 00004.

Process: P62 is located at Building BOILER - EMISSION SOURCE B0006 USES NO. 2 FUEL OIL AS A STARTUP FUEL AND FOR FLAME STABILIZATION. IT IS USED ON AN AS NEEDED BASIS. PARTICULATE MATTER EMISSIONS ARE CONTROLLED BY THE USE OF A BAGHOUSE. THERE ARE NO SPECIFIC FUEL OIL CONTROLS FOR SULFUR DIOXIDE OR NITROGEN OXIDES EMISSIONS. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSIONS MONITORING SYSTEM (CEMS) ON EMISSION POINT 00004.

Process: P63 is located at Building BOILER - EMISSION SOURCE B0006 IS PERMITTED TO FIRE WASTE OIL. IT IS USED ON AN OCCASIONAL BASIS. EMISSION SOURCE B0006 IS LIMITED TO BURNING WASTE OIL AT A MAXIMUM RATE OF 5 GALLONS PER MINUTE. THE WASTE OIL MUST MEET THE SPECIFICATIONS OF 6 NYCRR PART 225-2. PARTICULATE MATTER EMISSIONS ARE CONTROLLED BY THE USE OF A BAGHOUSE. WHEN WASTE OIL ONLY IS BEING FIRED, THERE ARE NO SPECIFIC EMISSION CONTROLS FOR NITROGEN OXIDES AND SULFUR DIOXIDE. HOWEVER, WHEN WASTE OIL IS BEING BURNED ALONG WITH BASELINE FUELS, THE NITROGEN OXIDES AND SULFUR DIOXIDE EMISSION CONTROL SYSTEMS ARE IN USE. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSIONS MONITORING SYSTEM (CEMS) ON EMISSION POINT 00004.]

Process: P64 is located at Building BOILER - EMISSION SOURCE B0006 IS PERMITTED TO FIRE SUB-BITUMINOUS (REDUCED SULFUR) COAL AS A SUPPLEMENTAL FUEL AT UP TO 30% BY WEIGHT OF THE TOTAL FUEL ENTERING THE BOILER. NITROGEN OXIDES EMISSIONS ARE CONTROLLED THROUGH THE USE OF OVERFIRE AIR COMBUSTION PRACTICES IN CONJUNCTION WITH SELECTIVE NON-CATALYTIC REDUCTION (SNCR) AND SELECTIVE CATALYTIC REDUCTION (SCR). MERCURY EMISSIONS ARE CONTROLLED USING POWDERED ACTIVATED CARBON INJECTION AND SULFUR DIOXIDE EMISSIONS ARE CONTROLLED USING A LIME SPRAY DRY REACTOR SYSTEM. PARTICULATE MATTER EMISSIONS ARE CONTROLLED BY THE USE OF A BAGHOUSE. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSIONS MONITORING SYSTEM (CEMS) ON EMISSION POINT 00004. PARTICULATE MATTER EMISSIONS ARE MEASURED BY STACK TESTING (WHEN REQUESTED BY NYSDEC) EMISSION POINT 00004.

Process: P65 is located at Building BOILER - EMISSION SOURCE B0006 IS PERMITTED TO FIRE CLEAN UNADULTERATED WOOD AS A SUPPLEMENT TO BITUMINOUS COAL (% BY WEIGHT OF TOTAL FUEL ENTERING THE BOILER OTHERWISE UNRESTRICTED). NITROGEN OXIDES EMISSIONS ARE CONTROLLED THROUGH THE USE OF OVERFIRE AIR COMBUSTION PRACTICES IN CONJUNCTION WITH SELECTIVE NON-CATALYTIC REDUCTION (SNCR) AND SELECTIVE CATALYTIC REDUCTION (SCR). MERCURY EMISSIONS ARE CONTROLLED USING POWDERED ACTIVATED CARBON INJECTION AND SULFUR DIOXIDE EMISSIONS ARE CONTROLLED USING A LIME SPRAY DRY REACTOR SYSTEM. PARTICULATE MATTER EMISSIONS ARE CONTROLLED BY THE USE OF A BAGHOUSE. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSIONS MONITORING SYSTEM (CEMS) ON EMISSION POINT 00004.



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PARTICULATE MATTER EMISSIONS ARE MEASURED BY STACK TESTING (WHEN REQUESTED BY NYSDEC) EMISSION POINT 0004.

Process: P69 is located at Building BOILER - EMISSION SOURCE B0006 USES DIESEL FUEL OR KEROSENE AS A STARTUP FUEL AND FOR FLAME STABILIZATION. IT IS USED ON AN AS NEEDED BASIS. PARTICULATE MATTER EMISSIONS ARE CONTROLLED BY THE USE OF A BAGHOUSE. THERE ARE NO SPECIFIC FUEL OIL CONTROLS FOR SULFUR DIOXIDE OR NITROGEN OXIDES EMISSIONS. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSIONS MONITORING SYSTEM (CEMS) ON EMISSION POINT 00004.

Process: P6A EMISSION SOURCE B0006 IS PERMITTED TO FIRE WASTE WOOD PRODUCT FROM THE LAMINATED PARTICLE BOARD FURNITURE MANUFACTURING PROCESS AS A SUPPLEMENT TO BITUMINOUS COAL, SUB-BITUMINOUS COAL AND/OR CLEAN UNADULTERATED WOOD AT UP TO 30% BY WEIGHT OF THE TOTAL FUEL ENTERING THE BOILER. WASTE WOOD PRODUCT MAY NOT BE MIXED WITH ANY OTHER ALTERNATIVE FUEL. NITROGEN OXIDES EMISSIONS ARE CONTROLLED THROUGH THE USE OF OVERFIRE AIR COMBUSTION PRACTICES IN CONJUNCTION WITH SELECTIVE NON-CATALYTIC REDUCTION (SNCR) AND SELECTIVE CATALYTIC REDUCTION (SCR). MERCURY EMISSIONS ARE CONTROLLED USING POWDERED ACTIVATED CARBON INJECTION AND SULFUR DIOXIDE EMISSIONS ARE CONTROLLED USING A LIME SPRAY DRY REACTOR SYSTEM. PARTICULATE MATTER EMISSIONS ARE CONTROLLED BY THE USE OF A BAGHOUSE. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSIONS MONITORING SYSTEM (CEMS) ON EMISSION POINT 0004. PARTICULATE MATTER EMISSIONS ARE MEASURED BY STACK TESTING (WHEN REQUESTED BY NYSDEC) EMISSION POINT 0004.

Process: P6B EMISSION SOURCE B00006 USES NATURAL GAS FOR A PORTION OF THE BOILER'S HEAT INPUT WHEN OPERATING IN GAS REBURN MODE. WHILE THERE IS NO SPECIFIC LIMIT ON THE AMOUNT OF NATURAL GAS THAT MAY BE BURNED, EMISSION SOURCE B00006 IS ONLY CAPABLE OF USING NATURAL GAS FOR APPROXIMATELY 20% OF THE TOTAL BOILER HEAT INPUT.

Process: P6X is located at GROUND - Emission source B0006 is permitted to fire a variety of fuels in various mixtures; the individual fuels and any applicable limits regarding their use are described separately. Process P6X has been created to calculate emissions for the various mixtures. Processes P61, P65 and P6B can be combusted alone or in any combination; P6A can be combusted (within certain limits as detailed in the process description) with any combination of P61/P65/P6B. Because the processes are not mutually exclusive, it is appropriate to create a combined process description.

Emission unit G00003 - Emission unit 3 consists of two Babcock & Wilson dry bottom wall fired pulverized coal boilers rated at 380 mmBTU/hr. The boilers (4 and 5) fire mainly bituminous coal, but can also burn clean wood and natural gas. Number 2 oil and diesel fuel is used for startup and flame stabilization as needed. Particulate control is provided by a multiclone mechanical particulate collector, and by an electrostatic precipitator. Unit 3 is sometimes operated as a synchronous condenser, rather than as a generating unit. In this mode, the generator acts like a motor, absorbing power from the grid and helping smooth out sudden changes in system voltage caused by changes in demand. The spinning generator causes the turbine to spin, and cooling steam is needed to prevent damage to the turbine. The small amount of steam needed for this is supplied by burning fuel oil in boilers 4 and 5.

Process: P41 is located at GROUND, Building BOILER - EMISSION SOURCE B0004 FIRES BITUMINOUS COAL AS ITS PRIMARY BASELINE FUEL (0-100% BY WEIGHT OF TOTAL FUEL ENTERING THE BOILER). PARTICULATE MATTER EMISSIONS ARE CONTROLLED BY THE USE OF A MULTICLONE MECHANICAL COLLECTOR AND AN ELECTROSTATIC PRECIPITATOR AND MEASURED (WHEN REQUESTED BY DEC) AT EMISSION POINT 00003.



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SULFUR DIOXIDE EMISSIONS ARE CONTROLLED BY LIMITING THE SULFUR CONTENT OF THE TOTAL FUEL. NITROGEN OXIDES EMISSIONS ARE CONTROLLED THROUGH GOOD COMBUSTION PRACTICES. NITROGEN OXIDES LIMITS ON A SYSTEM-WIDE BASIS ARE ESTABLISHED IN NYSEG'S TITLE 1 NOX COMPLIANCE PLAN. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00003.

Process: P42 is located at GROUND, Building BOILER - EMISSION SOURCE B0004 USES NO. 2 FUEL OIL AS A STARTUP FUEL AND FOR FLAME STABILIZATION. IT IS USED ON AN AS-NEEDED BASIS. THERE ARE NO SPECIFIC FUEL OIL CONTROLS FOR SULFUR DIOXIDE OR NITROGEN OXIDES EMISSIONS. WHEN OPERATING AS A GENERATOR, SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00003; WHEN OPERATED AS A SYNCHRONOUS CONDENSER, SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY ALTERNATIVE METHODS DETAILED IN THE GREENIDGE STATION UNIT 3 CEM MONITORING PLAN (MARCH 1996).

Process: P43 is located at GROUND, Building BOILER - EMISSION SOURCE B0004 IS PERMITTED TO FIRE WASTE OIL. IT IS USED ON AN OCCASIONAL BASIS. WHEN WASTE OIL ONLY IS BEING FIRED, THE ELECTROSTATIC PRECIPITATORS ARE NOT ENERGIZED. THE PRECIPITATORS ARE ENERGIZED, HOWEVER, WHEN WASTE OIL IS BEING BURNED ALONG WITH BASELINE FUELS. EMISSION SOURCE B0004 IS LIMITED TO BURNING WASTE OIL AT A MAXIMUM RATE OF 5 GALLONS PER MINUTE. THE WASTE OIL MUST MEET THE SPECIFICATIONS OF 6 NYCRR 225-2. WHEN OPERATING AS A GENERATOR, SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00003; WHEN OPERATED AS A SYNCHRONOUS CONDENSER, SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY ALTERNATIVE METHODS DETAILED IN THE GREENIDGE STATION UNIT 3 CEM MONITORING PLAN.

Process: P44 is located at Building BOILER - Burning of sub-bituminous (reduced sulfur) coal as a supplemental fuel at up to 30% by weight entering the boiler B0004 (boiler 4.)

Process: P45 is located at GROUND, Building BOILER - EMISSION SOURCE B0004 IS PERMITTED TO FIRE CLEAN UNADULTERATED WOOD AS A PRIMARY BASELINE FUEL (0-100% BY WEIGHT OF TOTAL FUEL ENTERING THE BOILER). PARTICULATE MATTER EMISSIONS ARE CONTROLLED BY THE USE OF A MULTICLONE MECHANICAL COLLECTOR AND AN ELECTROSTATIC PRECIPITATOR AND MEASURED (WHEN REQUESTED BY DEC) AT EMISSION POINT 00003. SULFUR DIOXIDE EMISSIONS ARE CONTROLLED BY LIMITING THE SULFUR CONTENT OF THE TOTAL FUEL. NITROGEN OXIDES EMISSIONS ARE CONTROLLED THROUGH GOOD COMBUSTION PRACTICES. NITROGEN OXIDES LIMITS ON A SYSTEM-WIDE BASIS ARE ESTABLISHED IN NYSEG'S TITLE 1 NOX COMPLIANCE PLAN. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00003.

Process: P49 is located at GROUND, Building BOILER - EMISSION SOURCE B0004 USES DIESEL FUEL AS A STARTUP FUEL AND FOR FLAME STABILIZATION. IT IS USED ON AN AS-NEEDED BASIS. THERE ARE NO SPECIFIC DIESEL FUEL CONTROLS FOR SULFUR DIOXIDE OR NITROGEN OXIDES EMISSIONS. WHEN OPERATING AS A GENERATOR, SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00003; WHEN OPERATED AS A SYNCHRONOUS CONDENSER, SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY ALTERNATIVE METHODS DETAILED IN THE GREENIDGE STATION UNIT 3 CEM MONITORING PLAN.

Process: P4A is located at GROUND, Building BOILER - EMISSION SOURCE B0004 IS PERMITTED TO FIRE THE WASTE WOOD PRODUCT FROM BUSH INDUSTRY'S FURNITURE



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MANUFACTURING PROCESS (BUSH WOOD) WITH COAL AND/OR CLEAN UNADULTERATED WOOD (BASELINE FUELS); BUSH WOOD MAY NOT BE MIXED WITH ANY OTHER ALTERNATE FUEL. BUSH WOOD MAY BE FIRED AT A CONCENTRATION UP TO 30% BY WEIGHT OF TOTAL FUEL ENTERING THE BOILER. PARTICULATE MATTER EMISSIONS ARE CONTROLLED BY THE USE OF A MULTICLONE MECHANICAL COLLECTOR AND AN ELECTROSTATIC PRECIPITATOR AND MEASURED (WHEN REQUESTED BY DEC) AT EMISSION POINT 00003. SULFUR DIOXIDE EMISSIONS ARE CONTROLLED BY LIMITING THE SULFUR CONTENT OF THE TOTAL FUEL. NITROGEN OXIDES EMISSIONS ARE CONTROLLED THROUGH GOOD COMBUSTION PRACTICES. NITROGEN OXIDES LIMITS ON A SYSTEM-WIDE BASIS ARE ESTABLISHED IN NYSEG'S TITLE 1 NOX COMPLIANCE PLAN. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00003.

Process: P4X is located at GROUND - Emission source B0004 is permitted to fire a variety of fuels in various mixtures; the individual fuels and any applicable limits regarding their use are described separately. Process P4X has been created to calculate emissions for the various mixtures. Processes P41 and P45 can be combusted alone or in any combination; P4A can be combusted (with certain limits as detailed in the process description) with any combination of P41/P45. Because the processes are not mutually exclusive, it is appropriate to create a combined process description.

Process: P51 is located at GROUND, Building BOILER - EMISSION SOURCE B0005 FIRES BITUMINOUS COAL AS ITS PRIMARY BASELINE FUEL (0-100% BY WEIGHT OF TOTAL FUEL ENTERING THE BOILER). PARTICULATE MATTER EMISSIONS ARE CONTROLLED BY THE USE OF A MULTICLONE MECHANICAL COLLECTOR AND AN ELECTROSTATIC PRECIPITATOR AND MEASURED (WHEN REQUESTED BY DEC) AT EMISSION POINT 00003. SULFUR DIOXIDE EMISSIONS ARE CONTROLLED BY LIMITING THE SULFUR CONTENT OF THE TOTAL FUEL. NITROGEN OXIDES EMISSIONS ARE CONTROLLED THROUGH GOOD COMBUSTION PRACTICES. NITROGEN OXIDES LIMITS ON A SYSTEM-WIDE BASIS ARE ESTABLISHED IN NYSEG'S TITLE 1 NOX COMPLIANCE PLAN. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00003.

Process: P52 is located at GROUND, Building BOILER - EMISSION SOURCE B0005 USES NO. 2 FUEL OIL AS A STARTUP FUEL AND FOR FLAME STABILIZATION. IT IS USED ON AN AS-NEEDED BASIS. THERE ARE NO SPECIFIC FUEL OIL CONTROLS FOR SULFUR DIOXIDE OR NITROGEN OXIDES EMISSIONS. WHEN OPERATING AS A GENERATOR, SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00003; WHEN OPERATED AS A SYNCHRONOUS CONDENSER, SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY ALTERNATIVE METHODS DETAILED IN THE GREENIDGE STATION UNIT 3 CEM MONITORING PLAN.

Process: P53 is located at GROUND, Building BOILER - EMISSION SOURCE B0005 IS PERMITTED TO FIRE WASTE OIL. IT IS USED ON AN OCCASIONAL BASIS. WHEN WASTE OIL ONLY IS BEING FIRED, THE ELECTROSTATIC PRECIPITATORS ARE NOT ENERGIZED. THE PRECIPITATORS ARE ENERGIZED, HOWEVER, WHEN WASTE OIL IS BEING BURNED ALONG WITH BASELINE FUELS. EMISSION SOURCE B0005 IS LIMITED TO BURNING WASTE OIL AT A MAXIMUM RATE OF 5 GALLONS PER MINUTE. THE WASTE OIL MUST MEET THE SPECIFICATIONS OF 6 NYCRR 225-2. THERE ARE NO SPECIFIC CONTROLS FOR SULFUR DIOXIDE OR NITROGEN OXIDES EMISSIONS. WHEN OPERATING AS A GENERATOR, SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00003; WHEN OPERATED AS A SYNCHRONOUS CONDENSER, SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY ALTERNATIVE METHODS DETAILED IN THE GREENIDGE STATION UNIT 3 CEM MONITORING PLAN.



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Process: P54 is located at Building BOILER - Burning of sub-bituminous coal at up to 30% by weight in emission source B0005 (boiler 5.)

Process: P55 is located at GROUND, Building BOILER - EMISSION SOURCE B0005 IS PERMITTED TO CLEAN UNADULTERATED WOOD AS A PRIMARY BASELINE FUEL (O-100% BY WEIGHT OF TOTAL FUEL ENTERING THE BOILER). PARTICULATE MATTER EMISSIONS ARE CONTROLLED BY THE USE OF A MULTICLONE MECHANICAL COLLECTOR AND AN ELECTROSTATIC PRECIPITATOR AND MEASURED (WHEN REQUESTED BY DEC) AT EMISSION POINT 00003. SULFUR DIOXIDE EMISSIONS ARE CONTROLLED BY LIMITING THE SULFUR CONTENT OF THE TOTAL FUEL. NITROGEN OXIDES EMISSIONS ARE CONTROLLED THROUGH GOOD COMBUSTION PRACTICES. NITROGEN OXIDES LIMITS ON A SYSTEM-WIDE BASIS ARE ESTABLISHED IN NYSEG'S TITLE 1 NOX COMPLIANCE PLAN. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00003.

Process: P59 is located at GROUND, Building BOILER - EMISSION SOURCE B0005 USES DIESEL FUEL AS A STARTUP FUEL AND FOR FLAME STABILIZATION. IT IS USED ON AN AS-NEEDED BASIS. THERE ARE NO SPECIFIC DIESEL FUEL CONTROLS FOR SULFUR DIOXIDE OR NITROGEN OXIDES EMISSIONS. WHEN OPERATING AS A GENERATOR, SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00003; WHEN OPERATED AS A SYNCHRONOUS CONDENSER, SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY ALTERNATIVE METHODS DETAILED IN THE GREENIDGE STATION UNIT 3 CEM MONITORING PLAN.

Process: P5A is located at GROUND, Building BOILER - EMISSION SOURCE B0005 IS PERMITTED TO FIRE THE WASTE WOOD PRODUCT FROM BUSH INDUSTRY'S FURNITURE MANUFACTURING PROCESS (BUSH WOOD) WITH COAL AND/OR CLEAN UNADULTERATED WOOD (BASELINE FUELS); BUSH WOOD MAY NOT BE MIXED WITH ANY OTHER ALTERNATE FUEL. BUSH WOOD MAY BE FIRED AT A CONCENTRATION UP TO 30% BY WEIGHT OF TOTAL FUEL ENTERING THE BOILER. PARTICULATE MATTER EMISSIONS ARE CONTROLLED BY THE USE OF A MULTICLONE MECHANICAL COLLECTOR AND AN ELECTROSTATIC PRECIPITATOR AND MEASURED (WHEN REQUESTED BY DEC) AT EMISSION POINT 00003. SULFUR DIOXIDE EMISSIONS ARE CONTROLLED BY LIMITING THE SULFUR CONTENT OF THE TOTAL FUEL. NITROGEN OXIDES EMISSIONS ARE CONTROLLED THROUGH GOOD COMBUSTION PRACTICES. NITROGEN OXIDES LIMITS ON A SYSTEM-WIDE BASIS ARE ESTABLISHED IN NYSEG'S TITLE 1 NOX COMPLIANCE PLAN. SULFUR DIOXIDE AND NITROGEN OXIDES EMISSIONS ARE MEASURED BY THE CONTINUOUS EMISSION MONITORING SYSTEM ON EMISSION POINT 00003.

Process: P5X is located at GROUND - Emission source B005 is permitted to fire a variety of fuels in various mixtures; the individual fuels and any applicable limits regarding their use are described separately. Process P5X has been created to calculate emissions for the various mixtures. Processes P51 and P55 can be combusted alone or in any combination; P5A can be combusted (within certain limits as detailed in the process description) with any combination of P51/P55. Because the processes are not mutually exclusive, it is appropriate to create a combined process description.

Title V/Major Source Status

AES GREENIDGE LLC is subject to Title V requirements. This determination is based on the following information:

The facility is Title 5 major.

Program Applicability

The following chart summarizes the applicability of AES GREENIDGE LLC with regards to the principal air pollution



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regulatory programs:

Regulatory Program	Applicability
PSD	YES
NSR (non-attainment)	NO
NESHAP (40 CFR Part 61)	NO
NESHAP (MACT - 40 CFR Part 63)	NO
NSPS	NO
TITLE IV	NO
TITLE V	YES
TITLE VI	NO
RACT	YES
SIP	YES

NOTES:

PSD Prevention of Significant Deterioration (40 CFR 52) - requirements which pertain to major stationary sources located in areas which are in attainment of National Ambient Air Quality Standards (NAAQS) for specified pollutants.

NSR New Source Review (6 NYCRR Part 231) - requirements which pertain to major stationary sources located in areas which are in non-attainment of National Ambient Air Quality Standards (NAAQS) for specified pollutants.

NESHAP National Emission Standards for Hazardous Air Pollutants (40 CFR 61) - contaminant and source specific emission standards established prior to the Clean Air Act Amendments of 1990 (CAAA) which were developed for 9 air contaminants (inorganic arsenic, radon, benzene, vinyl chloride, asbestos, mercury, beryllium, radionuclides, and volatile HAP's).

MACT Maximum Achievable Control Technology (40 CFR 63) - contaminant and source specific emission standards established by the 1990 CAAA. Under Section 112 of the CAAA, the US EPA is required to develop and promulgate emissions standards for new and existing sources. The standards are to be based on the best demonstrated control technology and practices in the regulated industry, otherwise known as MACT. The corresponding regulations apply to specific source types and contaminants.

NSPS New Source Performance Standards (40 CFR 60) - standards of performance for specific stationary source categories developed by the US EPA under Section 111 of the CAAA. The standards apply only to those stationary sources which have been constructed or modified after the regulations have been proposed by publication in the Federal Register and only to the specific contaminant(s) listed in the regulation.

Title IV Acid Rain Control Program (40 CFR 72 thru 78) - regulations which mandate the implementation of the acid rain control program for large stationary combustion facilities.

Title VI Stratospheric Ozone Protection (40 CFR 82, Subparts A thru G) - federal requirements that apply to sources which use a minimum quantity of CFC's (chlorofluorocarbons), HCFC's



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(hydrofluorocarbons) or other ozone depleting substances or regulated substitute substances in equipment such as air conditioners, refrigeration equipment or motor vehicle air conditioners or appliances.

RACT Reasonably Available Control Technology (6 NYCRR Parts 212.10, 226, 227-2, 228, 229, 230, 232, 233, 234, 235, 236) - the lowest emission limit that a specific source is capable of meeting by application of control technology that is reasonably available, considering technological and economic feasibility. RACT is a control strategy used to limit emissions of VOC's and NOx for the purpose of attaining the air quality standard for ozone. The term as it is used in the above table refers to those state air pollution control regulations which specifically regulate VOC and NOx emissions.

SIP State Implementation Plan (40 CFR 52, Subpart HH) - as per the CAAA, all states are empowered and required to devise the specific combination of controls that, when implemented, will bring about attainment of ambient air quality standards established by the federal government and the individual state. This specific combination of measures is referred to as the SIP. The term here refers to those state regulations that are approved to be included in the SIP and thus are considered federally enforceable.

Compliance Status

Facility is in compliance with all requirements.

SIC Codes

SIC or Standard Industrial Classification code is an industrial code developed by the federal Office of Management and Budget for use, among other things, in the classification of establishments by the type of activity in which they are engaged. Each operating establishment is assigned an industry code on the basis of its primary activity, which is determined by its principal product or group of products produced or distributed, or services rendered. Larger facilities typically have more than one SIC code.

SIC Code

Description

4911

ELECTRIC SERVICES

SCC Codes

SCC or Source Classification Code is a code developed and used" by the USEPA to categorize processes which result in air emissions for the purpose of assessing emission factor information. Each SCC represents a unique process or function within a source category logically associated with a point of air pollution emissions. Any operation that causes air pollution can be represented by one or more SCC's.

SCC Code

Description

1-01-002-02

EXTERNAL COMBUSTION BOILERS - ELECTRIC GENERATION
ELECTRIC UTILITY BOILER - BITUMINOUS COAL PULVERIZED COAL: DRY BOTTOM (BITUMINOUS COAL)

1-01-002-03

EXTERNAL COMBUSTION BOILERS - ELECTRIC GENERATION
ELECTRIC UTILITY BOILER - BITUMINOUS COAL CYCLONE FURNACE (BITUMINOUS COAL)

1-01-003-04

EXTERNAL COMBUSTION BOILERS - ELECTRIC GENERATION

1-01-005-01

ELECTRIC UTILITY BOILER - LIGNITE Traveling Grate (Overfeed) Stoker
EXTERNAL COMBUSTION BOILERS - ELECTRIC GENERATION
ELECTRIC UTILITY BOILER - DISTILLATE OIL



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1-01-006-04	Grades 1 and 2 Oil EXTERNAL COMBUSTION BOILERS - ELECTRIC GENERATION ELECTRIC UTILITY BOILER - NATURAL GAS Tangentially Fired Units
1-01-009-03	EXTERNAL COMBUSTION BOILERS - ELECTRIC GENERATION ELECTRIC UTILITY BOILER - WOOD/BARK WASTE Wood-Fired Boiler
1-01-012-01	EXTERNAL COMBUSTION BOILERS - ELECTRIC GENERATION ELECTRIC UTILITY BOILER - SOLID WASTE Specify Waste Material in Comments
1-01-013-02	EXTERNAL COMBUSTION BOILERS - ELECTRIC GENERATION ELECTRIC UTILITY BOILER - LIQUID WASTE Waste Oil
1-02-002-02	EXTERNAL COMBUSTION BOILERS - INDUSTRIAL INDUSTRIAL BOILER - SUBBITUMINOUS COAL Pulverized Coal: Dry Bottom
3-99-999-99	MISCELLANEOUS MANUFACTURING INDUSTRIES MISCELLANEOUS INDUSTRIAL PROCESSES SEE COMMENT **

Facility Emissions Summary

In the following table, the CAS No. or Chemical Abstract Service code is an identifier assigned to every chemical compound. [NOTE: Certain CAS No.'s contain a 'NY' designation within them. These are not true CAS No.'s but rather an identification which has been developed by the department to identify groups of contaminants which ordinary CAS No.'s do not do. As an example, volatile organic compounds or VOC's are identified collectively by the NY CAS No. 0NY998-00-0.] The PTE refers to the Potential to Emit. This is defined as the maximum capacity of a facility or air contaminant source to emit any air contaminant under its physical and operational design. Any physical or operational limitation on the capacity of the facility or air contamination source to emit any air contaminant, including air pollution control equipment and/or restrictions on the hours of operation, or on the type or amount or material combusted, stored, or processed, shall be treated as part of the design only if the limitation is contained in federally enforceable permit conditions. The PTE Range represents an emission range for a contaminant. Any PTE quantity that is displayed represents a facility-wide emission cap or limitation for that contaminant. If no PTE quantity is displayed, the PTE Range is provided to indicate the approximate magnitude of facility-wide emissions for the specified contaminant in terms of tons per year (tpy). The term 'HAP' refers to any of the hazardous air pollutants listed in section 112(b) of the Clean Air Act Amendments of 1990. Total emissions of all hazardous air pollutants are listed under the special NY CAS No. 0NY100-00-0. In addition, each individual hazardous air pollutant is also listed under its own specific CAS No. and is identified in the list below by the (HAP) designation.

Cas No.	Contaminant Name	PTE	Range
		lbs/yr	
000630-08-0	CARBON MONOXIDE		>= 100 tpy but < 250 tpy
007647-01-0	HYDROGEN CHLORIDE		>= 10 tpy
007439-92-1	LEAD		> 0 but < 10 tpy
0NY210-00-0	OXIDES OF NITROGEN		>= 250 tpy but < 75,000 tpy
0NY075-00-0	PARTICULATES		>= 250 tpy but < 75,000 tpy
0NY075-00-5	PM-10		>= 250 tpy but < 75,000 tpy
007446-09-5	SULFUR DIOXIDE		>= 250 tpy but <



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0NY100-00-0	TOTAL HAP	75,000 tpy >= 250 tpy but < 75,000 tpy
0NY998-00-0	VOC	>= 25 tpy but < 40 tpy

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

Item A: Emergency Defense - 6 NYCRR 201-1.5

An emergency constitutes an affirmative defense to an action brought for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

(a) The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

- (1) An emergency occurred and that the facility owner and/or operator can identify the cause(s) of the emergency;
- (2) The equipment at the permitted facility causing the emergency was at the time being properly operated;
- (3) During the period of the emergency the facility owner and/or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
- (4) The facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

(b) In any enforcement proceeding, the facility owner and/or operator seeking to establish the occurrence of an emergency has the burden of proof.

(c) This provision is in addition to any emergency or upset provision contained in any applicable requirement.

Item B: Public Access to Recordkeeping for Title V Facilities - 6 NYCRR 201-1.10(b)

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6 NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

Item C: Timely Application for the Renewal of Title V Permits -6 NYCRR Part 201-6.3(a)(4)

Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

Item D: Certification by a Responsible Official - 6 NYCRR Part 201-6.3(d)(12)

Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Item E: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.5(a)(2)



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The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

Item F: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR Part 201-6.5(a)(3)

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Item G: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.5(a)(5)

It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.

Item H: Property Rights - 6 NYCRR 201-6.5(a)(6)

This permit does not convey any property rights of any sort or any exclusive privilege.

Item I: Severability - 6 NYCRR Part 201-6.5(a)(9)

If any provisions, parts or conditions of this permit are found to be invalid or are the subject of a challenge, the remainder of this permit shall continue to be valid.

Item J: Permit Shield - 6 NYCRR Part 201-6.5(g)

All permittees granted a Title V facility permit shall be covered under the protection of a permit shield, except as provided under 6 NYCRR Subpart 201-6. Compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that such applicable requirements are included and are specifically identified in the permit, or the Department, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the major stationary source, and the permit includes the determination or a concise summary thereof. Nothing herein shall preclude the Department from revising or revoking the permit pursuant to 6 NYCRR Part 621 or from exercising its summary abatement authority. Nothing in this permit shall alter or affect the following:

- i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;
- ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;
- iii. The applicable requirements of Title IV of the Act;



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- iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

Item K: Reopening for Cause - 6 NYCRR Part 201-6.5(i)

This Title V permit shall be reopened and revised under any of the following circumstances:

- i. If additional applicable requirements under the Act become applicable where this permit's remaining term is three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.
- ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
- iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.
- iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

Proceedings to reopen and issue Title V facility permits shall follow the same procedures as apply to initial permit issuance but shall affect only those parts of the permit for which cause to reopen exists.

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

Item L: Permit Exclusion - ECL 19-0305

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

Item M: Federally Enforceable Requirements - 40 CFR 70.6(b)

All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by

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the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

**Item A: General Provisions for State Enforceable Permit Terms and Condition - 6
 NYCRR Part 201-5**

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

Regulatory Analysis

Location Facility/EU/EP/Process/ES	Regulation	Condition	Short Description
FACILITY	ECL 19-0301	54	Powers and Duties of the Department with respect to air pollution control
FACILITY	40CFR 52-A.21	34	Prevention of Significant Deterioration
FACILITY	40CFR 64	35	COMPLIANCE ASSURANCE MONITORING
FACILITY	40CFR 68	21	Chemical accident prevention provisions
FACILITY	40CFR 82-F	22	Protection of Stratospheric Ozone - recycling and emissions reduction
FACILITY	6NYCRR 200.6	1	Acceptable ambient air quality.
FACILITY	6NYCRR 200.7	10	Maintenance of equipment.
FACILITY	6NYCRR 201-1.4	55	Unavoidable noncompliance and violations
FACILITY	6NYCRR 201-1.7	11	Recycling and Salvage
FACILITY	6NYCRR 201-1.8	12	Prohibition of reintroduction of collected contaminants to the

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FACILITY	6NYCRR 201-3.2(a)	13	air
FACILITY	6NYCRR 201-3.3(a)	14	Exempt Activities -
FACILITY	6NYCRR 201-6	23, 36, 37	Proof of eligibility
			Trivial Activities -
			proof of eligibility
			Title V Permits and
			the Associated Permit
			Conditions
FACILITY	6NYCRR 201-6.5(a)(4)	15	General conditions
FACILITY	6NYCRR 201-6.5(a)(7)	2	General conditions
			Fees
FACILITY	6NYCRR 201-6.5(a)(8)	16	General conditions
FACILITY	6NYCRR 201-6.5(c)	3	Permit conditions for
			Recordkeeping and
			Reporting of
			Compliance Monitoring
FACILITY	6NYCRR 201-6.5(c)(2)	4	Permit conditions for
			Recordkeeping and
			Reporting of
			Compliance Monitoring
FACILITY	6NYCRR 201-6.5(c)(3)(ii)	5	Permit conditions for
			Recordkeeping and
			Reporting of
			Compliance Monitoring
FACILITY	6NYCRR 201-6.5(d)(5)	17	Compliance schedules
FACILITY	6NYCRR 201-6.5(e)	6	Compliance
			Certification
FACILITY	6NYCRR 201-6.5(f)(6)	18	Off Permit Changes
FACILITY	6NYCRR 202-1.1	19	Required emissions
			tests.
FACILITY	6NYCRR 202-2.1	7	Emission Statements -
			Applicability
FACILITY	6NYCRR 202-2.5	8	Emission Statements -
			record keeping
			requirements.
FACILITY	6NYCRR 211.2	56	General Prohibitions
			- visible emissions
			limited.
FACILITY	6NYCRR 211.3	20	General Prohibitions
			- visible emissions
			limited
FACILITY	6NYCRR 215	9	Open Fires
G-00003	6NYCRR 225-1.2(d)	38, 39, 40	Sulfur-in-fuel
			limitations - Table 2
G-00004	6NYCRR 225-1.2(d)	46	Sulfur-in-fuel
			limitations - Table 2
G-00004/00004	6NYCRR 225-1.2(d)	52, 53	Sulfur-in-fuel
			limitations - Table 2
FACILITY	6NYCRR 225-1.8	24	Reports, sampling and
			analysis.
FACILITY	6NYCRR 225-2.3(b)	25	Eligibility to burn
			waste fuel A.
FACILITY	6NYCRR 225-2.4(b)	26, 27, 28, 29	Eligibility to burn
			waste fuels A and B.
G-00003	6NYCRR 225-2.4(b)	41	Eligibility to burn
			waste fuels A and B.
G-00004	6NYCRR 225-2.4(b)	47	Eligibility to burn
			waste fuels A and B.
FACILITY	6NYCRR 225-2.7(a)	30	Reports, sampling and
			analysis of waste
			fuels A and B.
FACILITY	6NYCRR 225-2.7(d)	31	Reports, sampling and
			analysis of waste
			fuels A and B.



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FACILITY	6NYCRR 225-2.7(e)	32	Reports, sampling and analysis of waste fuels A and B.
G-00003	6NYCRR 227-1.2(a)(4)	42	Particulate Emissions Firing Solid Fuels.
G-00004	6NYCRR 227-1.2(a)(4)	48	Particulate Emissions Firing Solid Fuels.
FACILITY	6NYCRR 227-1.3	33	Smoke Emission Limitations.
G-00003	6NYCRR 227-1.3(a)	43	Smoke Emission Limitations.
G-00004	6NYCRR 227-1.3(a)	49	Smoke Emission Limitations.
G-00003	6NYCRR 227-1.5	44	Fuel mixtures.
G-00004	6NYCRR 227-1.5	50	Fuel mixtures.
G-00003	6NYCRR 227-2.5(b)	45	System-wide averaging option.
G-00004	6NYCRR 227-2.5(b)	51	System-wide averaging option.

Applicability Discussion:

Mandatory Requirements: The following facility-wide regulations are included in all Title V permits:

ECL 19-0301

This section of the Environmental Conservation Law establishes the powers and duties assigned to the Department with regard to administering the air pollution control program for New York State.

6 NYCRR 200.6

Acceptable ambient air quality - prohibits contravention of ambient air quality standards without mitigating measures

6 NYCRR 200.7

Anyone owning or operating an air contamination source which is equipped with an emission control device must operate the control consistent with ordinary and necessary practices, standards and procedures, as per manufacturer's specifications and keep it in a satisfactory state of maintenance and repair so that it operates effectively

6 NYCRR 201-1.4

This regulation specifies the actions and recordkeeping and reporting requirements for any violation of an applicable state enforceable emission standard that results from a necessary scheduled equipment maintenance, start-up, shutdown, malfunction or upset in the event that these are unavoidable.

6 NYCRR 201-1.7

Requires the recycle and salvage of collected air contaminants where practical

6 NYCRR 201-1.8

Prohibits the reintroduction of collected air contaminants to the outside air

6 NYCRR 201-3.2 (a)

An owner and/or operator of an exempt emission source or unit may be required to certify that it operates within the specific criteria described in this Subpart. All required records must be maintained on-site for a period of 5 years and made available to department representatives upon request. In addition, department representatives must be granted access to any facility which contains exempt emission sources or units, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.



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6 NYCRR 201-3.3 (a)

The owner and/or operator of a trivial emission source or unit may be required to certify that it operates within the specific criteria described in this Subpart. All required records must be maintained on-site for a period of 5 years and made available to department representatives upon request. In addition, department representatives must be granted access to any facility which contains trivial emission sources or units subject to this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

6 NYCRR Subpart 201-6

This regulation applies to those terms and conditions which are subject to Title V permitting. It establishes the applicability criteria for Title V permits, the information to be included in all Title V permit applications as well as the permit content and terms of permit issuance. This rule also specifies the compliance, monitoring, recordkeeping, reporting, fee, and procedural requirements that need to be met to obtain a Title V permit, modify the permit and demonstrate conformity with applicable requirements as listed in the Title V permit. For permitting purposes, this rule specifies the need to identify and describe all emission units, processes and products in the permit application as well as providing the Department the authority to include this and any other information that it deems necessary to determine the compliance status of the facility.

6 NYCRR 201-6.5 (a) (4)

This mandatory requirement applies to all Title V facilities. It requires the permittee to provide information that the Department may request in writing, within a reasonable time, in order to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. The request may include copies of records required to be kept by the permit.

6 NYCRR 201-6.5 (a) (7)

This is a mandatory condition that requires the owner or operator of a facility subject to Title V requirements to pay all applicable fees associated with the emissions from their facility.

6 NYCRR 201-6.5 (a) (8)

This is a mandatory condition for all facilities subject to Title V requirements. It allows the Department to inspect the facility to determine compliance with this permit, including copying records, sampling and monitoring, as necessary.

6 NYCRR 201-6.5 (c)

This requirement specifies, in general terms, what information must be contained in any required compliance monitoring records and reports. This includes the date, time and place of any sampling, measurements and analyses; who performed the analyses; analytical techniques and methods used as well as any required QA/QC procedures; results of the analyses; the operating conditions at the time of sampling or measurement and the identification of any permit deviations. All such reports must also be certified by the designated responsible official of the facility.

6 NYCRR 201-6.5 (c) (2)

This requirement specifies that all compliance monitoring and recordkeeping is to be conducted according to the terms and conditions of the permit and follow all QA requirements found in applicable regulations. It also requires monitoring records and supporting information to be retained for at least 5 years from the time of sampling, measurement, report or application. Support information is defined as including all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.



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6 NYCRR 201-6.5 (c) (3) (ii)

This regulation specifies any reporting requirements incorporated into the permit must include provisions regarding the notification and reporting of permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken.

6 NYCRR 201-6.5 (d) (5)

This condition applies to every Title V facility subject to a compliance schedule. It requires that reports, detailing the status of progress on achieving compliance with emission standards, be submitted semiannually.

6 NYCRR 201-6.5 (e)

Sets forth the general requirements for compliance certification content; specifies an annual submittal frequency; and identifies the EPA and appropriate regional office address where the reports are to be sent.

6 NYCRR 201-6.5 (f) (6)

This condition allows changes to be made at the facility, without modifying the permit, provided the changes do not cause an emission limit contained in this permit to be exceeded. The owner or operator of the facility must notify the Department of the change. It is applicable to all Title V permits which may be subject to an off permit change.

6 NYCRR 202-1.1

This regulation allows the department the discretion to require an emission test for the purpose of determining compliance. Furthermore, the cost of the test, including the preparation of the report are to be borne by the owner/operator of the source.

6 NYCRR 202-2.1

Requires that emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year.

6 NYCRR 202-2.5

This rule specifies that each facility required to submit an emission statement must retain a copy of the statement and supporting documentation for at least 5 years and must make the information available to department representatives.

6 NYCRR 211.2

This regulation limits opacity from sources to less than or equal to 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

6 NYCRR Part 215

Except as allowed by section 215.3 of 6 NYCRR Part 215, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

40 CFR Part 68

This Part lists the regulated substances and their applicability thresholds and sets the requirements for stationary sources concerning the prevention of accidental releases of these substances.

40 CFR Part 82, Subpart F

Subpart F requires the reduction of emissions of class I and class II refrigerants to the lowest achievable level during the service, maintenance, repair, and disposal of appliances in accordance with section 608 of the Clean Air Act Amendments of 1990. This subpart applies to any person servicing, maintaining, or repairing appliances except for motor vehicle air conditioners. It also applies to persons disposing of



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appliances, including motor vehicle air conditioners, refrigerant reclaimers, appliance owners, and manufacturers of appliances and recycling and recovery equipment. Those individuals, operations, or activities affected by this rule, may be required to comply with specified disposal, recycling, or recovery practices, leak repair practices, recordkeeping and/or technician certification requirements.

Facility Specific Requirements

In addition to Title V, AES GREENIDGE LLC has been determined to be subject to the following regulations:

40 CFR 52.21

This citation applies to facilities that are subject to Prevention of Significant Deterioration provisions;

ie: facilities that are located in an attainment area and that emit pollutants which are listed in 40 CFR 52.21(b)(23)(i) .

40 CFR Part 64

The federal Compliance Assurance Monitoring (CAM) rule, 40 CFR Part 64, requires monitoring of control device, capture system, and/or process parameters to provide a reasonable assurance of compliance with emission limitations or standards. It applies to emission units that use a control device to comply with certain standards and limitations and that have potential pre-control device emissions equal to or greater than a major source threshold.

Acid Rain program requirements; stratospheric ozone protection requirements; post-1990 New Source Performance Standards, Emission Guidelines, and National Emission Standards for Hazardous Air Pollutants; and some other limitations are exempt from CAM. However, many of the exempt requirements are subject to less stringent periodic monitoring under 40 CFR Part 70 and 6NYCRR Subpart 201-6.

6 NYCRR 225-1.2 (d)

The sulfur-in-fuel limitations for residual and distillate oil and for solid fuel are listed in Tables 1,2 and 3 or 6 NYCRR Part 225-1.2(c), (d) and (e)

6 NYCRR 225-1.8

This regulation requires an owner or operator of a facility which purchases and fires coal and/or oil to submit reports to the commissioner containing fuel analysis data, information on the quantity of the fuel received, burned, and results of any stack sampling, stack monitoring and any other procedures to ensure compliance with the provisions of 6 NYCRR Part 225-1.

6 NYCRR 225-2.3 (b)

This regulation requires that each piece of equipment which fires Waste Fuel A demonstrate, at a minimum, 99% combustion efficiency in burning Waste fuel A.

6 NYCRR 225-2.4 (b)

This regulation sets the limits for the compounds that may be in Waste Fuel A or B. These are: PCB less than 50 parts per million (ppm); Total Halogens less than 1,000 ppm; Sulfur less than the limits in Part 225-1; Lead less than 250 ppm; and a minimum gross heat content of 125,000 BTU/Gallon

6 NYCRR 225-2.7 (a)

This regulation requires the owner or operator of the facility burning the waste fuel to sample and analyze



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all shipments of the fuel received, monitor the emissions from the burning of the fuel and maintain records of the quantities of the fuel received.

6 NYCRR 225-2.7 (d)

This regulation requires the owner or operator to maintain the records required under 6 NYCRR Part 225-2 and make them available for inspectors from the NYSDEC.

6 NYCRR 225-2.7 (e)

This regulation requires the owner or operator to sample and analyze the waste fuel in a manner acceptable to the Department.

6 NYCRR 227-1.2 (a) (4)

This regulation establishes a particulate emission limit in terms of lbs per mmBtu of heat input for stationary combustion units which fire solid fuels at variable sizes of heat input (mmBtu/hr).

6 NYCRR 227-1.3

This regulation requires a limitation and compliance monitoring for opacity from a stationary combustion installation.

6 NYCRR 227-1.3 (a)

This regulation prohibits any person from operating a stationary combustion installation which emits smoke equal to or greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.

6 NYCRR 227-1.5

This regulation provides for determination of a permissible particulate emission rate from combustion devices using more than one type of fuel simultaneously.

6 NYCRR 227-2.5 (b)

The system-wide average shall consist of a weighted average allowable emission rate based upon the weighted average of actual emissions from units that are operating. Excess reductions utilized in the system-wide average may only be counted from the lowest allowable emission rate. Simply put, if there is a more stringent emission limit than RACT already in place on the unit, then excess reductions may only be counted from below that emission rate.

Compliance Certification

Summary of monitoring activities at AES GREENIDGE LLC:

Location Facility/EU/EP/Process/ES	Cond No.	Type of Monitoring
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FACILITY	34	record keeping/maintenance procedures
FACILITY	35	record keeping/maintenance procedures
FACILITY	5	record keeping/maintenance procedures
FACILITY	6	record keeping/maintenance procedures
FACILITY	7	record keeping/maintenance procedures
G-00003	38	continuous emission monitoring (cem)
G-00003	39	continuous emission monitoring (cem)
G-00003	40	continuous emission monitoring (cem)
G-00004	46	continuous emission monitoring (cem)
G-00004/00004	52	continuous emission monitoring (cem)

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G-00004/00004	53	continuous emission monitoring (cem)
FACILITY	24	record keeping/maintenance procedures
FACILITY	25	monitoring of process or control device parameters as surrogate
FACILITY	26	work practice involving specific operations
FACILITY	27	work practice involving specific operations
FACILITY	28	work practice involving specific operations
FACILITY	29	work practice involving specific operations
G-00003	41	work practice involving specific operations
G-00004	47	work practice involving specific operations
FACILITY	30	record keeping/maintenance procedures
G-00003	42	monitoring of process or control device parameters as surrogate
G-00004	48	monitoring of process or control device parameters as surrogate
FACILITY	33	record keeping/maintenance procedures
G-00003	43	monitoring of process or control device parameters as surrogate
G-00004	49	monitoring of process or control device parameters as surrogate
G-00003	45	record keeping/maintenance procedures
G-00004	51	record keeping/maintenance procedures

Basis for Monitoring

Renewal of Title 5 operating permit.